

WATER PERMIT NO. 6455-3

Name of Applicant: Minnehaha Community Water Corp.

Address: 47381 248th St, Dell Rapids SD 57022 Phone: 605 428-3374

Amount of Water Claimed: no add'l Total Acres: NA

Source of Water Supply: groundwater (three wells)

Water to be used for: rural water system use County: Minnehaha

Type of Waste Disposal System:

Location: ½ mile southwest of Dell Rapids

PRIORITY Date Received: 9-2-03 Application/License Fee: \$100

Corrected Application Received: 9-10-03 Period of Annual Use: January 1 – December 31

Remarks: For 3 additional diversion points and to serve the communities of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt and individual in Lyons, Renner, Rowena and Sherman.

Diversion Points: NE ¼ Sec 17-T104N-R49W

Land to be Irrigated: NA

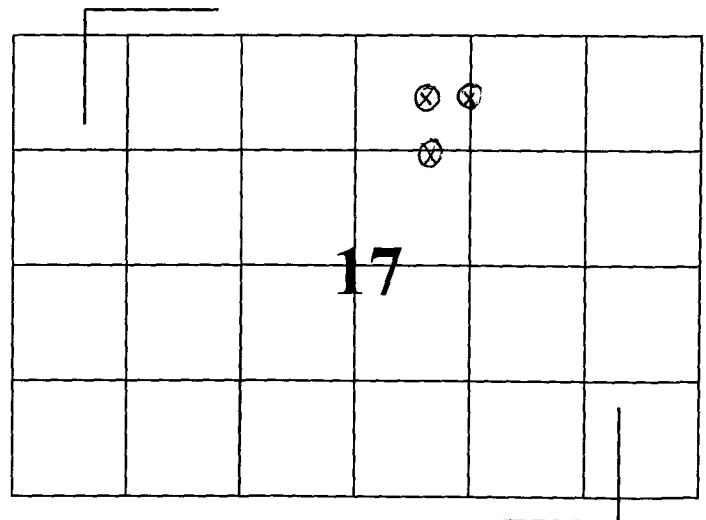
Depth of Well: 48, 57, and 96 feet deep

Well Driller: : Layne-Western Corp.

Remarks:

Type of Map: topo

Prepared by: Kevin J Kuebler, PE



Reviewed and the Number Assigned on: 9-11-03

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

FORM 2: Application for uses other than irrigation
(type or print)

RECEIVED

SEP - 2 2003

WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6455-3</u> (office use only) Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>
	Newspaper <u>See sheet</u>

Application For Permit To Appropriate Water Within the State of South Dakota

- | | | | |
|--|---|--|--|
| ☐ Municipal | ☐ Suburban Housing | ☐ Recreational | ☐ Institutional |
| ☒ Rural Water System | ☐ Commercial | ☐ Fish & Wildlife | ☐ Geothermal Heat |
| ☐ Domestic (over 18 gpm) | ☐ Industrial | ☐ Other | |

Type of Application: ☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
(Check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☒ Amendment/Correction to Permit No. _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

Incorporate additional diversion points into existing appropriations to permit pumping from alternate locations including those described in this application.

- Name of Applicant Minnehaha Community Water Corp. Phone (605) 428-3374
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 47381 248th Street, Dell Rapids State SD 57022
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 4.26 *CFS or No add'l **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Big Sioux Aquifer, Dell Rapids, SD
- Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W) County Minnehaha

Three wells located in NE 1/4 Section 17, T104N, R49W, Minnehaha Co., SD
- County or counties where water will be used Minnehaha, Moody, Lake, Turner, McCook and Lincoln
- Annual period during which water is to be used Year round use Jan 1-Dec 31
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Water system expansion for Minnehaha Community Water System Expansion includes capacity to serve Colton, Garretson, and increased demand at Hartford and Crooks. Facility Plan dates May, 2002 is attached.

STATE OF SOUTH DAKOTA)

County of Minnehaha) SS

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Scott J. Buss, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Scott J. Buss

Subscribed and sworn to before me this 29 day of August 2003

Jim Evans

Notary Public signature

JIM EVANS

My Commission Expires June 30, 2003

SOUTH DAKOTA
WATER PERMIT NO. 6455-3

Date of first receipt of application September 2, 2003.

Date of return to applicant for corrections, amendments or changes September 5, 2003.

Date of receipt of corrected application September 10, 2003.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6455-3 to Minnehaha Community Water Corp, c/o Scott J Buss, 47381 248th St, Dell Rapids SD 57022 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6455-3 appropriates an additional 4.26 cubic feet of water per second (cfs) and adds three additional wells (53, 96 and 48 feet deep, respectively) located in the NE ¼ of section 17, T104N R49W in Minnehaha County. Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3 combined appropriate 9.55 cfs and authorizes a total annual volume of water withdrawal of 5,240 acre-feet. The wells for these existing permits/rights are located in section 29, T104N R49W. This permit does not increase the total annual volume (acre-feet) but allows pumping the three new wells to produce 1.11 cfs (500 gpm), 2.04 cfs (915 gpm) and 1.11 cfs (500 gpm), respectively, for a total diversion rate of 4.26 cfs (1915 gpm).
2. The water appropriated shall be used for the purpose of rural water system use and may not exceed the amount of water needed for beneficial use. The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt as well as individuals within the towns of Lyons, Renner, Rowena and Sherman.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 6455-3 is February 2, 2004.
5. The date from which applicant may claim right is September 2, 2003.
6. One-fifth of the construction is to be completed on or before August 2, 2006.
7. All construction is to be completed on or before February 2, 2009.
8. Water is to be put to beneficial use on or before February 2, 2013.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

(continued)

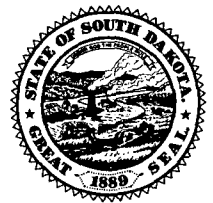
2. The wells authorized by Permit No. 6455-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Water Rights Nos. 2311-3, 5468-3, 5805-3 and Water Permit Nos. 6164-3 and 6455-3 authorize a total annual diversion of 5,240 acre feet of water.
4. Minnehaha Community Water Corporation shall report to the Chief Engineer annually the amount of water withdrawn from their wells.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 20 2004

date



(type or print in ink)

1. Well Information - Proposed Construction Well 21

- a) Drill Hole Diameter 40 inch Depth 57
- b) Casing Type steel Diameter 12 Thickness .39"
- c) Screen Type SS Wire Wrap Diameter 24" Thickness 0.43"
- d) Gravel Pack 70% Retained #6 mesh Length of Gravel Pack 34'-6"
- e) Depth to Top of Water Bearing Material 17'
- f) Depth to Water (ground surface to water level) 19'-10"
- g) Distance to nearest existing domestic well:

On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

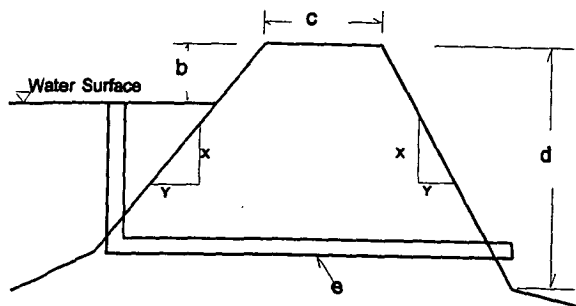
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

(type or print in ink)

1. Well Information - Proposed Construction Well 22

- a) Drill Hole Diameter 32" Depth 96'
- b) Casing Type Steel Diameter 14" Thickness 0.37"
- c) Screen Type SS Wire Wrap Diameter 14" Thickness 0.35"
- d) Gravel Pack 70% Retained #6 mesh Length of Gravel Pack 79'-6"
- e) Depth to Top of Water Bearing Material 8'
- f) Depth to Water (ground surface to water level) 19'-7"
- g) Distance to nearest existing domestic well:

On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

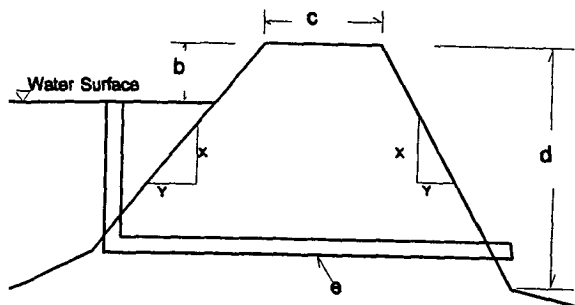
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- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

(type or print in ink)

1. Well Information - Proposed Construction Well 23

- a) Drill Hole Diameter 40" Depth 48
- b) Casing Type Steel Diameter 12" Thickness 0.39"
- c) Screen Type SS Wire Wrap Diameter 24" Thickness 0.43"
- d) Gravel Pack 70% Retained #6 mesh Length of Gravel Pack 30'
- e) Depth to Top of Water Bearing Material 15'
- f) Depth to Water (ground surface to water level) 20' - 1"
- g) Distance to nearest existing domestic well:

On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

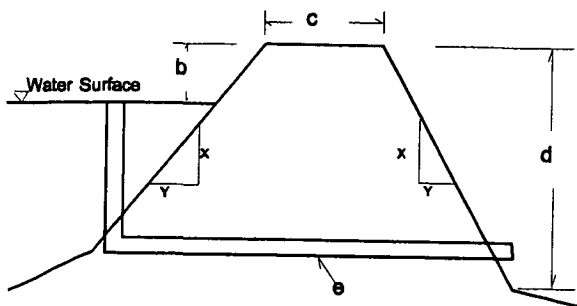
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- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date September 10, 2003

RECEIVED OF Minnehaha Community Water Corporation, 47381 248th St., Dell Rapids SD 57022

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>6455-3</u> to Appropriate Water, to construct and to put water to beneficial use	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>6455-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	100.00

No.

000875

By

Darland Erbe

Chief Engineer

gm



DRAWN BY: R.A.R.	REVIEWED _____ DATE : _____ FOR _____
DESIGNED BY: K.J.K.	REVIEWED _____ DATE : _____ FOR BANNER ASSOCIATES, INC.
CHECKED BY: D.C.O.	

BANNER
BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & ARCHITECTS
409 22nd Av S • P.O.Box 298 - Brookings, SD 57006 • (605)692-6342

REVISION	DATE	DESCRIPTION	BY	CK'D

MCWC - System Expansion - Well Field and Raw Water Pipeline
Dell Rapids, South Dakota
WELL LOCATION SITE PLAN

SCALE : As Shown	JOB NO : 20110.03.01	DATE : Sep. 02
SHEET NO. : Fig. 1		





Fig. 2 - Vicinity Map

DELORME

© 2002 DeLorme, XMap® 3.5. Data copyright of content owner.
Zoom Level: 13-0 Datum: NAD83

Scale 1 : 24,000
1" = 2000 ft



4164A-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 NE 1/4 Sec 17 Twp 104N Rg 49W

County

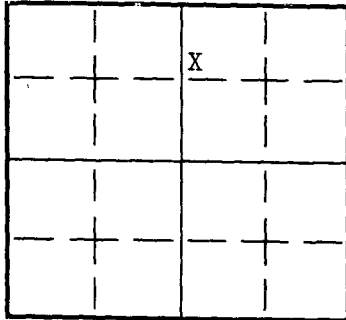
Minnehaha

North

Please mark well location with an "X"

W

E



Well Completion Date

3/13/03

1 Mile

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well,

feed lot, etc.)? _____ ft. from _____ (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☒ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Reverse Rotary

CASING DATA:

- ☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
49.56 LB/FT	12 IN	0 FT	39 1/2 FT	40 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
cement	24	16 lb./gal	0 ft	10 ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure tremmieSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 24" IN Length 7' FEETMaterial stainless steelSlot Size .090 Set From 39 1/2 Feet to 46 1/2 FeetOther information 1' stainless steel sump 46 1/2' to 47 1/2'WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: _____

_____ NO, Why Not? _____

Laboratory sent to for water
quality analysisSioux Falls WaterPurification PlantWell Owner: Minnehaha Community Water Corp.Business Name: Minnehaha Community Water Corp. (Well 2)Address: 47381 248th StreetDell Rapids, SD 57022-5305

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
top soil	0	4
sandy clay	4	15
medium coarse sand	15	20
medium coarse sand	20	25
medium coarse sand	25	48

STATIC WATER LEVEL 20' 1" Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: airlifted, surged & bailed☒ Bailed Well was test pumped for☐ Other 9 hours

Pumping Level Below Land Surface

28.9 ft. After 9 Hrs. pumped 500 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well was drilled under license # 513

And this report is true and accurate.

Drilling firm Layne-Western Company

Signature of License Representative

Signature of Well Owner or Equitable Property Holder:

Date: _____

Performance Curves

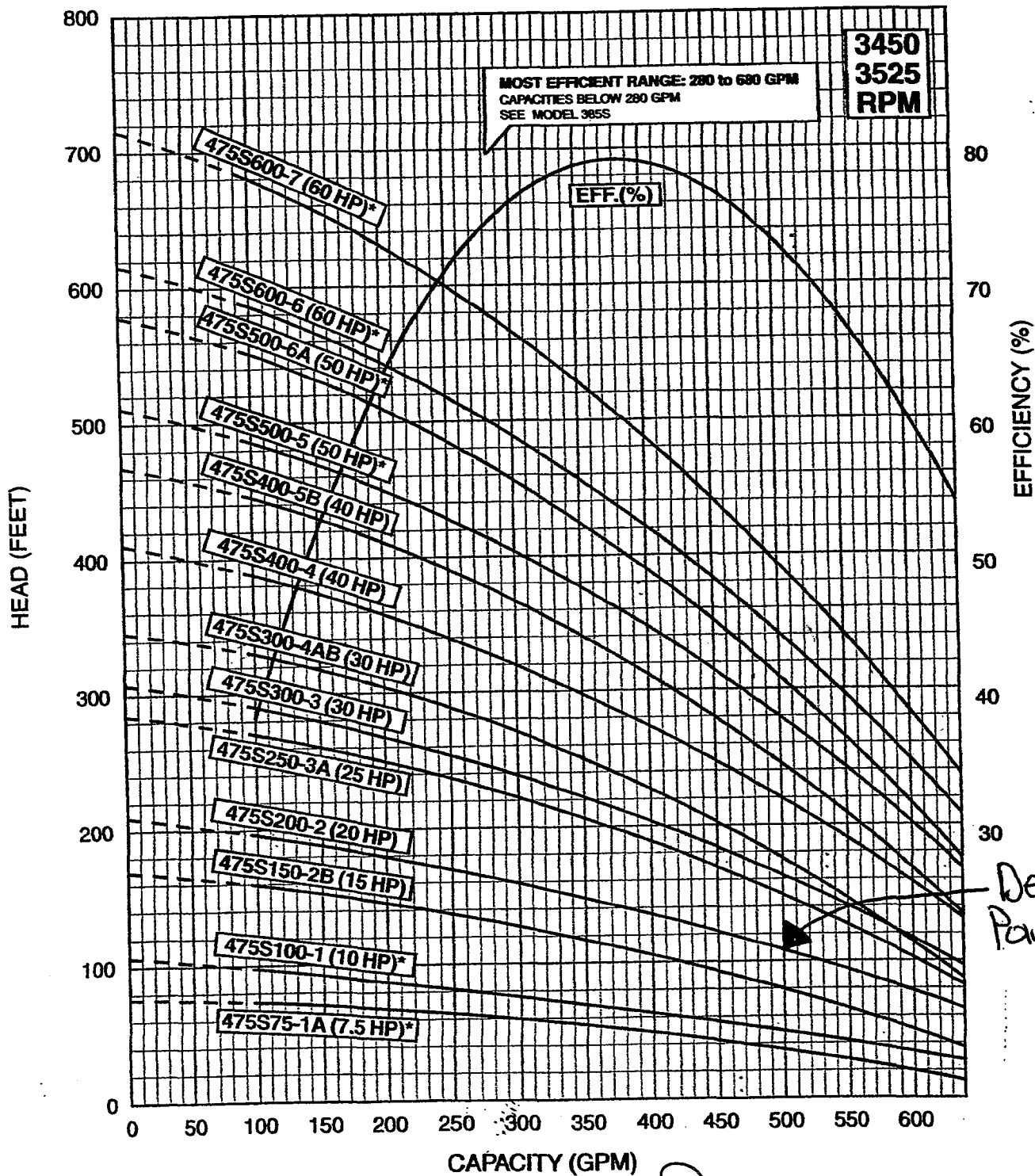
475 GPM

Model 475S

FLOW RANGE: 95 - 680 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 8"



Approved by: *[Signature]*

Wellal

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 6" MOTOR STANDARD, 10-60 HP/3450 RPM.
 8" MOTOR STANDARD, 75-125 HP/3525 RPM.
 * Alternate motor sizes available.

Layne-Western Company, Inc.

Project # 20110.03.01

Location MCWC

02950

2.06 B1

Performance Curves

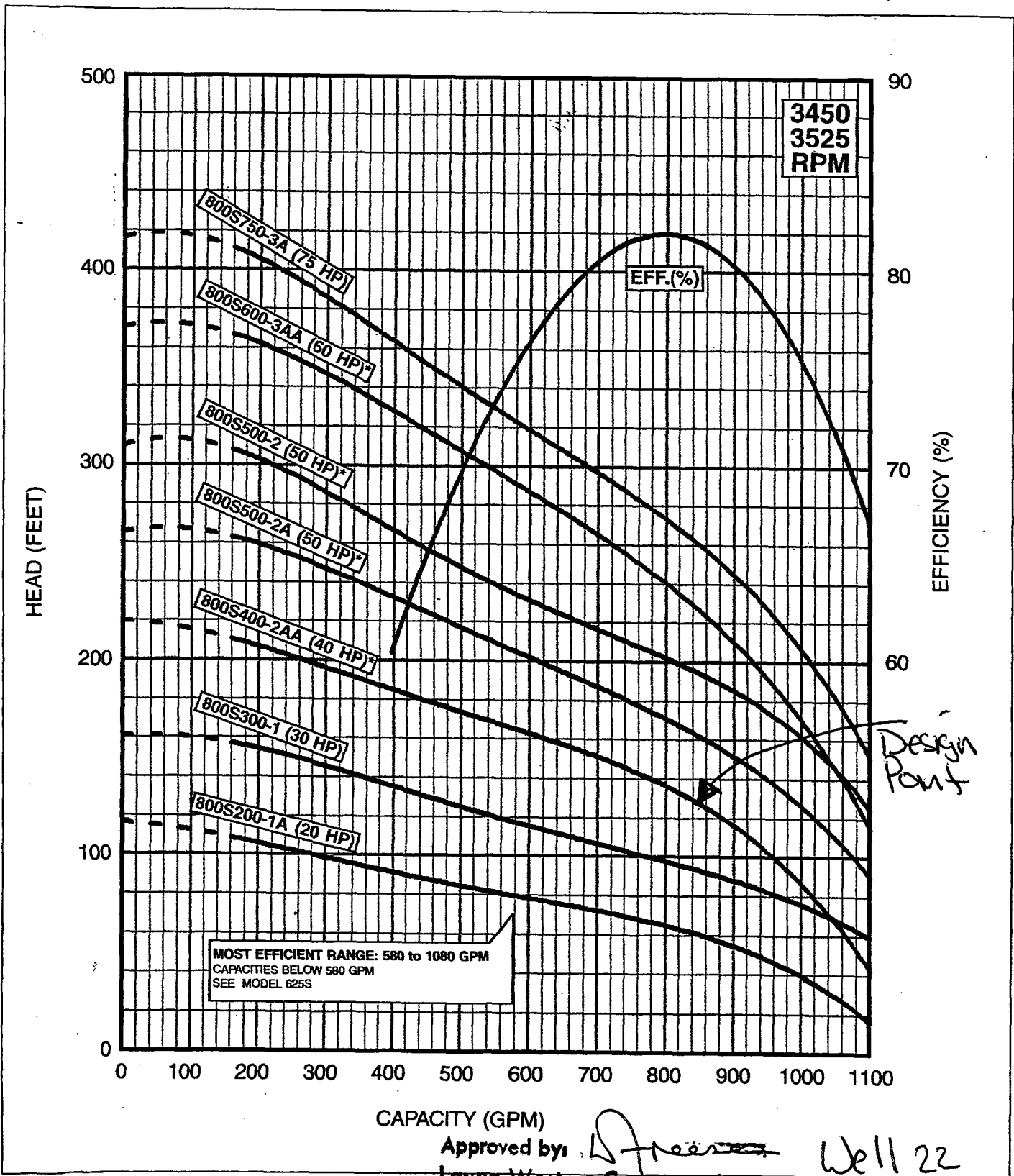
800 GPM

Model 800S

FLOW RANGE: 160 - 1100 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 10"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

6" MOTOR STANDARD, 20-60 HP/3450 RPM.

8" MOTOR STANDARD, 75-125 HP/3525 RPM.

* Alternate motor sizes available.

Project # 20110.03.01

Location MCWC

Section 02950 Paragraph 2.06 B1.

Performance Curves

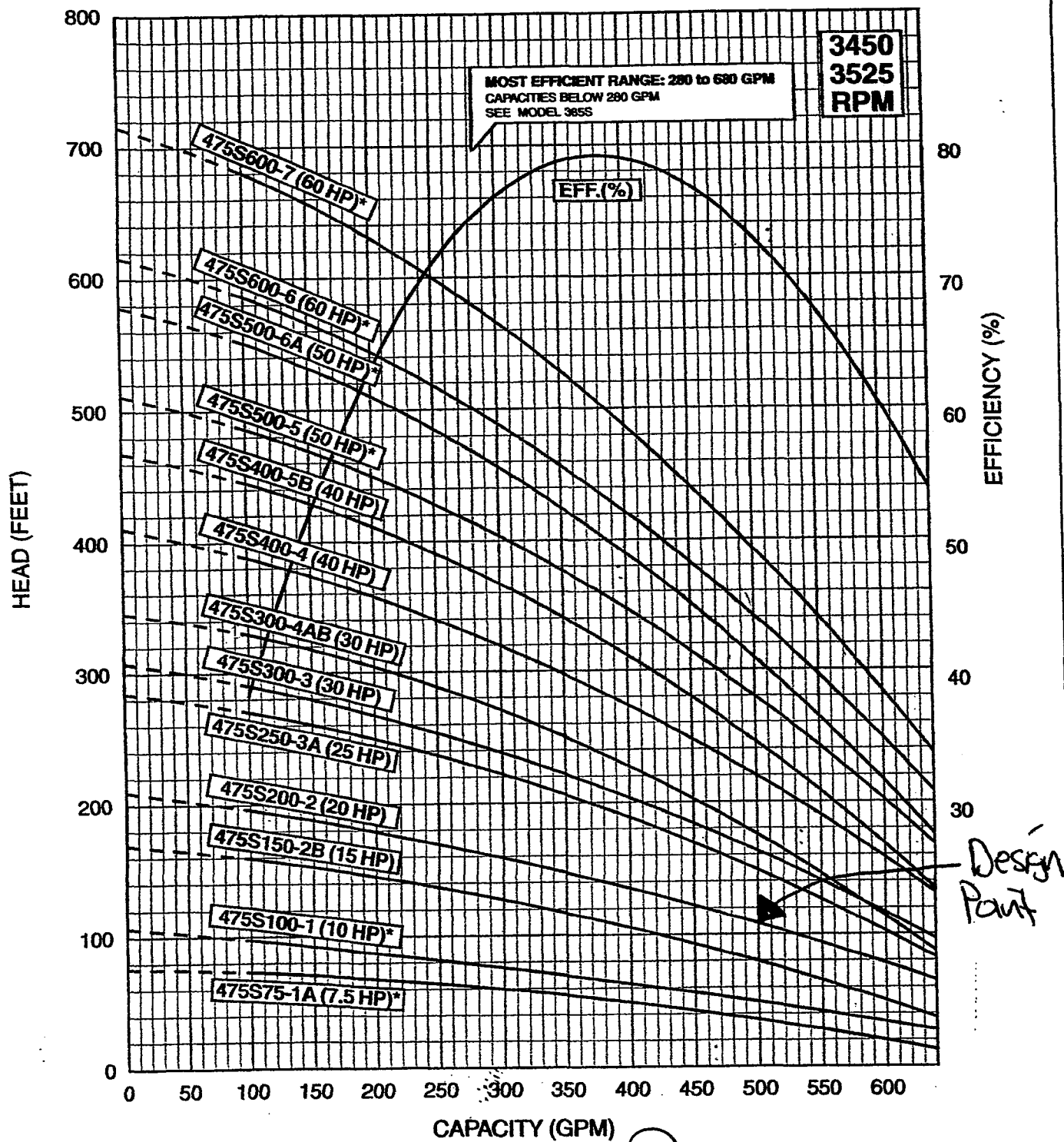
475 GPM

Model 475S

FLOW RANGE: 95 - 680 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 8"



Approved by: *[Signature]*

Well 23

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

6" MOTOR STANDARD, 10-60 HP/3450 RPM.

8" MOTOR STANDARD, 75-125 HP/3525 RPM.

* Alternate motor sizes available.

Layne-Western Company, Inc. Performance conforms to ISO 9906 Annex A
8 ft. min. submergence.

Project # 20115.03.01

Location MCWC

02950

2.06 B.1

Sioux Falls Utilities-Water Division
Purification Plant Laboratory
2100 N. Minnesota Avenue
Sioux Falls, South Dakota 57104
(605) 367-7025



Mr. Dan

ref PO 72.6149

BILLING INFORMATION

Amount Paid \$ _____
Check # or Cash _____
Date _____
Rec'd By _____

Name: Minnehaha Rural Water/Layne Address: PO Box 597
City/State: Valley, NE Zip Code: 68064 Phone: 308-234-1914
Sample Collector: Layne Western Sample Location: Di. Well 21 - 1st sample
Date Collected: 4/16/03 Time: _____ Sample ID: _____
Sample: Water Wastewater Sludge Soil
Sample Type: Grab Composite Circle Applicable Information
Preservative: 2 pH w/HNO3 2 pH w/HCl 2 pH w/Ascorbic Acid Cool to 4° C Other: _____
Comments: Well 21 - 1st sample (Marty)

CHAIN OF CUSTODY RECORD

Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

LABORATORY HANDLING

Received in lab by: <u>Deb Callahan</u>	Date: <u>4/16/03</u>	Time: <u>12:00 Noon</u>	Condition of Sample: <u>OK - 1 gal. plastic</u>
Laboratory ID Number: <u>041603 P-1</u>	Date Reported: <u>5/5/03</u>	Reported by: <u>Deb Callahan</u>	

Parameter	Method	Max. Limit Drinking Water	Detection Limit	Results	Analyst	Date	Parameter	Method	Sugg. Limit Drinking Water	Detection Limit	Results	Analyst	Date
Antimony (Sb)		0.006 mg/L					Alkalinity (m) (CaCO ₃)	4500B	65-85		7.5	CF	4/17
Arsenic (As)		0.050 mg/L					Alkalinity (h) (CaCO ₃)	2320B	mg/L	2	319.6	CF	4/17
Barium (Ba)		2.00 mg/L					Total Hardness (CaCO ₃)	2340B	mg/L	2	432.8	CF	4/17
Beryllium (Be)		0.004 mg/L					Calcium (CaCO ₃)	3600D	mg/L	2	310.0	CF	4/17
Cadmium (Cd)		0.005 mg/L					Magnesium (CaCO ₃)		mg/L				
Chromium (Cr)		0.100 mg/L					Total Diss. Solids	2640C	500 mg/L	1	336	CF	4/22
Copper (Cu)		~ 1.30 mg/L					Langlier Index	5M203	at 20°C		+0.45	SC	4/23
Lead (Pb)		~0.015 mg/L					Silver (Ag)		0.10 mg/L				
Mercury (Hg)		0.002 mg/L					Iron (Fe)	3111B	0.3 mg/L	0.030	0.22	CF	4/17
Nickel (Ni)		0.100 mg/L					Potassium (K)		mg/L				
Selenium (Se)		0.050 mg/L					Lithium (Li)		mg/L				
Thallium (Tl)		0.002 mg/L					Manganese (Mn)	3111B	0.05 mg/L	0.010	1.12	CF	4/17
Fluoride (F)		4.00 mg/L					Sodium (Na)		mg/L				
Nitrate (NO ₃ -N)	5M410B	10.00 mg/L	0.01	4.69	CF	4/17	Zinc (Zn)		5.00 mg/L				
Nitrite (NO ₂ -N)		1.00 mg/L					Bromate (BrO ₃)		mg/L				
Total Nitrate+Nitrite (as N)		10.00 mg/L					Bromide (Br)		mg/L				
Turbidity		NTU					Chlorate (ClO ₃)		mg/L				
TTHM		0.100 mg/L					Chlorite (ClO ₂)		mg/L				
VOC Scan							Chloride (Cl)		mg/L				
Coliform (total)		POS/ NEG.					Phosphate-Ortho(PO ₄)		mg/L				
Coliform (fecal)		POS/ NEG.					Phosphate-Total(PO ₄)		mg/L				
HPC		C.F.U./mL					Sulfate (SO ₄)	4110B	mg/L	1	110.44	CF	4/17
Lab Comments: Langlier Index will be about 12.6 lower at groundwater temperature of 12-13°C. Do not use for infants under 6 months of age. BDL = Below Detection Limit - = Action level							Nitrate Content						
							not of concern.						
							High Nitrate						
							Do not use for infants						
							under 6 months of age.						
							BDL = Below Detection Limit						
							- = Action level						
							Ammonia-free(NH ₃ -N)		mg/L				
							Ammonia-total(NH ₃ -N)	5550C N/A	mg/L	0.10	0.31	KK	4/17
							Ammonium (NH ₄)		mg/L				
							Chlorine - Free		mg/L				
							Chlorine - Total		mg/L				
							Conductivity		umho/cm				
							TOC		mg/L				
							Temperature		°C				

Sioux Falls Utilities-Water Division
Purification Plant Laboratory
2100 N. Minnesota Avenue
Sioux Falls, South Dakota 57104
(605) 367-7025



Ref PO 72.6149

BILLING INFORMATION

Amount Paid \$ _____
Check # or Cash _____
Date _____
Rec'd By _____

Name: Minnehaha Rural Water / Layne Western Address: PO Box 597
City/State: Valley, NE Zip Code: 68064 Phone: _____
Sample Collector: Layne Western - Mary Sample Location: Well 21 - 2nd sample
Date Collected: 4/16/03 Time: _____ Sample ID: _____
Sample: Water Wastewater Sludge Soil
Sample Type: Grab Composite Circle Applicable Information
Preservative: 2 pH w/HNO3 2 pH w/HCl 2 pH w/Ascorbic Acid Cool to 4° C Other: _____
Comments: Well 21 - 2nd sample

CHAIN OF CUSTODY RECORD

Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

LABORATORY HANDLING

Received in lab by: Deb Callahan Date: 4/16/03 Time: 12:00 Noon Condition of Sample: ok - 1 gal. plastic
Laboratory ID Number: 041603 P-2 Date Reported: 5/5/03 Reported by: Deb Callahan

Parameter	Method	Max. Limit Drinking Water	Detection Limit	Results	Analyst	Date	Parameter	Method	Sugg. Limit Drinking Water	Detection Limit	Results	Analyst	Date
Antimony (Sb)		0.006 mg/L					pH	4500B	6.5-8.5		7.4	CF	4/17
Arsenic (As)		0.050 mg/L					Alkalinity (a) (CaCO ₃)	2320B	mg/L	2	300.0	CF	4/17
Barium (Ba)		2.00 mg/L					Alkalinity (p) (CaCO ₃)		mg/L				
Beryllium (Be)		0.004 mg/L					Total Hardness (CaCO ₃)	2340C	mg/L	2	401.6	CF	4/17
Cadmium (Cd)		0.005 mg/L					Calcium (CaCO ₃)	3500D	mg/L	2	272.8	CF	4/17
Chromium (Cr)		0.100 mg/L					Magnesium (CaCO ₃)		mg/L				
Copper (Cu)		* 1.30 mg/L					Total Diss. Solids	2540C	500 mg/L	1	262	CF	4/22
Lead (Pb)		* 0.015 mg/L					Langlier Index	5m203	at 20°		+0.46	dc	4/23
Mercury (Hg)		0.002 mg/L					Silver (Ag)		0.10 mg/L				
Nickel (Ni)		0.100 mg/L					Iron (Fe)	3111B	0.3 mg/L	0.030	0.13	CF	4/17
Selenium (Se)		0.050 mg/L					Potassium (K)		mg/L				
Thallium (Tl)		0.002 mg/L					Lithium (Li)		mg/L				
Fluoride (F)		4.00 mg/L					Manganese (Mn)	3111B	0.05 mg/L	0.010	1.25	CF	4/17
Nitrate (NO ₃ -N)	54410B	10.00 mg/L	0.01	10.37	CF	4/17	Sodium (Na)		mg/L				
Nitrite (NO ₂ -N)		1.00 mg/L					Zinc (Zn)		5.00 mg/L				
Total Nitrate-Nitrite (as N)		10.00 mg/L					Bromate (BrO ₃)		mg/L				
Turbidity		NTU					Bromide (Br)		mg/L				
TTHM		0.100 mg/L					Chlorate (ClO ₃)		mg/L				
VOC Scan							Chlorite (ClO ₂)		mg/L				
							Chloride (Cl)		mg/L				
Coliform (total)		POS/ NEG.					Phosphate-Ortho(PO ₄)		mg/L				
Coliform (fecal)		POS/ NEG.					Phosphate-Total(PO ₄)		mg/L				
HPC		C.F.U./ ml.					Sulfate (SO ₄)	4110B	mg/L	1	63.52	CF	4/17
Lab Comments: <u>Langlier Index will be about 0.1 lower at groundwater temperature of 12-13°C.</u> <u>Nitrate Content () not of concern</u> <u>High Nitrate (X)</u> <u>Do not use for infants under 6 months of age</u> <u>BDL = Below Detection Limit</u> <u>* = Action level</u>							Ammonia-Free(NH ₃ -N)		mg/L				
							Ammonia-Total(NH ₃ -N)	550-101F	mg/L	0.10	0.21	KK	4/17
							Ammonium (NH ₄)		mg/L				
							Chlorine - Free		mg/L				
							Chlorine - Total		mg/L				
							Conductivity		umho/cm				
							TOC		mg/L				
							Temperature		°C				



SIoux FALLS UTILITIES-WATER DIVISION
PURIFICATION PLANT LABORATORY
2100 North Minnesota Avenue
Sioux Falls, South Dakota 57104
(605) 367-7025

Ref PO 72,6149

BILLING INFORMATION

Amount Paid \$

Check # or Cash

Date

Rec'd By

FILL IN NAME AND ADDRESS OF PERSON TO RECEIVE REPORT

Name Minnehaha Rural Water Street P.O. Box 597
City Valley NE Zip Code 68064 Phone 308 234 1914
Sample Collector Lagne Western Sample Location Well # 22
Date Collected 4/15/03 Time 6:30 AM Sample ID _____
Sample: Water ☒ Wastewater ☐ Sludge ☐ Soil ☐
Sample Type: Grab ☒ Composite ☐
Preservative: No ☒ Yes ☐ Specify _____
Sample Collector's Comments: Well # 22 - DAN FREESE

CHAIN OF CUSTODY RECORD

SAMPLE TRANSFER

Relinquished by: [Signature] Received by: R. Janssen Date: 4/15/03 Time: 7:45 AM
Relinquished by: _____ Received by: _____ Date: _____ Time: _____

LABORATORY HANDLING

Received in lab by: [Signature] Date: 4/15/03 Time: 10:40 AM Condition of Sample: OK - 1 gallon plastic
Laboratory ID Number: 041503 P1 Date Reported: 5/5/03 Reported by: Deb Allen

PLEASE CHECK PARAMETERS REQUIRED BELOW

Parameter	Method	Max. Limit Drinking Water	Detection Limit	Results	Analyst	Date	Parameter	Method	Sugg. Limit Drinking Water	Detection Limit	Results	Analyst	Date
Antimony (Sb)		0.006 mg/L					pH	4500B	6.5-8.5		7.1	cf	4/15
Arsenic (As)		0.050 mg/L					Alkalinity (m)(CaCO ₃)	2300B	mg/L	2	307.2	cf	4/15
Barium (Ba)		2.00 mg/L					Alkalinity (p)(CaCO ₃)		mg/L				
Beryllium (Be)		0.004 mg/L					Total Hardness (CaCO ₃)	2340C	mg/L	2	498.0	cf	4/15
Cadmium (Cd)		0.005 mg/L					Calcium (CaCO ₃)	3500D	mg/L	2	330.8	cf	4/15
Chromium (Cr)		0.100 mg/L					Magnesium (CaCO ₃)		mg/L				
Copper (Cu)		* 1.30 mg/L					Total Diss. Solids (TDS)	2640C	500 mg/L	1	400	cf	4/22
Lead (Pb)		* 0.015 mg/L					Langelier Index	5012B	at 20°C		+0.24	de	4/23
Mercury (Hg)		0.002 mg/L					Iron (Fe)	311B	0.3 mg/L	0.030	0.55	JG	4/16
Nickel (Ni)		0.100 mg/L					Manganese (Mn)	311B	0.05 mg/L	0.010	0.49	JG	4/16
Selenium (Se)		0.050 mg/L					Silver (Ag)		0.10 mg/L				
Thallium (Tl)		0.002 mg/L					Zinc (Zn)		5.00 mg/L				
Fluoride (F)		4.00 mg/L					Bromate (BrO ₃)		mg/L				
Nitrate (NO ₃ -N)	54110B	10.00 mg/L	0.01	BDL	cf	4/16	Bromide (Br)		mg/L				
Nitrite (NO ₂ -N)		1.00 mg/L					Chlorate (ClO ₃)		mg/L				
Total Nitrate + Nitrite (as N)		10.00 mg/L					Chlorite (ClO ₂)		mg/L				
Turbidity		NTU					Phosphate-Ortho (PO ₄)		mg/L				
THM		0.100 mg/L					Phosphate-Total (PO ₄)		mg/L				
VOC Scan		mg/L					Sulfate (SO ₄)	4110B	mg/L	1	190.27	cf	4/16
		mg/L					Amonia-Free (NH ₃ -N)		mg/L				
		mg/L					Amonia-Total (NH ₃ -N)	4500A1/2	mg/L	0.10	0.25	KK	4/17
							Amonium (N H ₄)		mg/L				
							Lithium (Li)		mg/L				
							Potassium (K)		mg/L				
							Sodium (Na)		mg/L				
							Chloride (Cl)		250 mg/L				
							Conductivity		umho/cm				
							TOC		mg/L				
							Chlorine, Free		mg/L				
							Chlorine, Total		mg/L				
							Temperature		°C				

Lab Comments:

BDL = Below Detection Limits

* = Action Level

- () Nitrate content not of concern.
- () High Nitrate. Do not use for infants under 6 months of age.

Deb has info on parameter to run.

Langelier Index will be about 0.1 lower at temperature of 12-13°C.

... 11 h. 9 more samples

Sioux Falls Utilities-Water Division

Purification Plant Laboratory

2100 N. Minnesota Avenue

Sioux Falls, South Dakota 57104

(605) 367-7025



BILLING INFORMATION

Amount Paid \$ _____

Check # or Cash _____

Date _____

Rec'd By _____

Name: Layne Western Aff: Dan Address: PO Box 597
 City/State: Walter NE Zip Code: 68064 Phone: _____
 Sample Collector: Layne Western Sample Location: Minnehaha Community water
 Date Collected: 4-24-03 Time: 4 Sample ID: Well 23 - 1st sample
 Sample: Water Wastewater Sludge Soil
 Sample Type: Grab Composite Circle Applicable information
 Preservative: <2 pH w/HNO3 <2 pH w/HCl <2 pH w/Ascorbic Acid Cool to 4° C Other: _____
 Comments: New well background data

CHAIN OF CUSTODY RECORD

Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

LABORATORY HANDLING

Received in lab by: <u>Deb Callahan</u>	Date: <u>4/24/03</u>	Time: <u>11:00 am</u>	Condition of Sample: <u>OK - 1 gal. plastic</u>
Laboratory ID Number: <u>042403A-1</u>	Date Reported: <u>5/5/03</u>	Reported by: <u>Deb Callahan</u>	

Parameter	Method	Max. Limit Drinking Water	Detection Limit	Results	Analyst	Date	Parameter	Method	Sugg. Limit Drinking Water	Detection Limit	Results	Analyst	Date
Antimony (Sb)		0.005 mg/L					Alkalinity (m) (CaCO ₃)	4500B	650 mg/L		7.6	cf	4/25
Arsenic (As)		0.050 mg/L					Alkalinity (p) (CaCO ₃)	2320B	mg/L	2	254.8	cf	4/25
Barium (Ba)		2.00 mg/L					Total Hardness (CaCO ₃)	2340C	mg/L	2	325.6	cf	4/25
Beryllium (Be)		0.004 mg/L					Calcium (CaCO ₃)	3500D	mg/L	2	252.8	cf	4/25
Cadmium (Cd)		0.005 mg/L					Magnesium (CaCO ₃)		mg/L				
Chromium (Cr)		0.100 mg/L					Total Diss. Solids	2540C	500 mg/L	1	382	cf	4/30
Copper (Cu)		* 1.30 mg/L					Langlier Index	Sm 203	± 20°		+53	dc	5/5
Lead (Pb)		* 0.015 mg/L					Silver (Ag)		0.10 mg/L				
Mercury (Hg)		0.002 mg/L					Iron (Fe)	3111B	0.3 mg/L	0.030	0.67	cf	4/25
Nickel (Ni)		0.100 mg/L					Potassium (K)		mg/L				
Selenium (Se)		0.050 mg/L					Lithium (Li)		mg/L				
Thallium (Tl)		0.002 mg/L					Manganese (Mn)	3111B	0.05 mg/L	0.010	0.55	cf	4/25
Fluoride (F)		4.00 mg/L					Sodium (Na)		mg/L				
Nitrate (NO ₃ -N)	4110B	10.00 mg/L	0.01	4.00	cf	4/24	Zinc (Zn)		5.00 mg/L				
Nitrite (NO ₂ -N)		1.00 mg/L					Bromate (BrO ₃)		mg/L				
Total Nitrate+Nitrite (as N)		10.00 mg/L					Bromide (Br)		mg/L				
Turbidity		NTU					Chlorate (ClO ₃)		mg/L				
TTHM		0.100 mg/L					Chlorite (ClO ₂)		mg/L				
VOC Scan							Chloride (Cl)		mg/L				
Coliform (total)		POS/ NEG.					Phosphate-Ortho (PO ₄)		mg/L				
Coliform (fecal)		POS/ NEG.					Phosphate-Total (PO ₄)		mg/L				
HPC		C.F.U./ mL					Sulfate (SO ₄)	4110B	mg/L	1	45.14	cf	4/24
Lab Comments: <u>Langlier Index will be about</u> <u>0.1 lower at groundwater</u> <u>temperature of ~12.3°C.</u>							Ammonia-free (NH ₃ -N)	5000W.F	mg/L	0.10	BDL	cf/rk	4/24
							Ammonia-total (NH ₃ -N)		mg/L				
							Ammonium (NH ₄)		mg/L				
							Chlorine - Free		mg/L				
							Chlorine - Total		mg/L				
							Conductivity		umho/cm				
							TOC		mg/L				
							Temperature		°C				

Nitrate Content
not of concern.

High Nitrate.

Do not use for infants

under 6 months of age

BDL = Below Detection Limit

* = Action level

Sample Collector: Layne Western Sample Location: Minnetonka Community Water
 Date Collected: 4-24-03 Time: 4:00 PM Sample ID: Well 23 - 2nd sample
 Sample: Water Wastewater Sludge Soil
 Sample Type: Grab Composite
 Preservative: 2pH w/HNO3 2pH w/HCl 2pH w/Ascorbic Acid Cool to 4° C Other: _____
 Comments: New well background data

CHAIN OF CUSTODY RECORD

Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

LABORATORY HANDLING

Received in lab by: <u>Deb Callahan</u>	Date: <u>4/24/03</u>	Time: <u>11:00 AM</u>	Condition of Sample: <u>ok - 1 gal plastic</u>
Laboratory ID Number: <u>042403P-2</u>	Date Reported: <u>5/5/03</u>		Reported by: <u>Deb Callahan</u>

Parameters	Method	Max. Limit Drinking Water	Detection Limit	Results	Analyst	Date	Parameter	Method	Sugg. Limit Drinking Water	Detection Limit	Results	Analyst	Date							
Antimony (Sb)		0.006 mg/L					pH	4500B	6.5-8.5		7.7	cf	4/28							
Arsenic (As)		0.050 mg/L					Alkalinity(n) (CaCO ₃)	2320B	mg/L	2	267.2	cf	4/28							
Barium (Ba)		2.00 mg/L					Alkalinity(p) (CaCO ₃)		mg/L											
Beryllium (Be)		0.004 mg/L					Total Hardness (CaCO ₃)	2340C	mg/L	2	357.6	cf	4/28							
Cadmium (Cd)		0.005 mg/L					Calcium(CaCO ₃)	3500D	mg/L	2	241.2	cf	4/28							
Chromium (Cr)		0.100 mg/L					Magnesium (CaCO ₃)		mg/L											
Copper (Cu)		~ 1.30 mg/L					Total Diss. Solids	2540C	500 mg/L	1	347	cf	4/30							
Lead (Pb)		~0.015mg/L					Langlier Index at 20°C				10.63	dc	5/5							
Mercury (Hg)		0.002 mg/L					Silver (Ag)		0.10 mg/L											
Nickel (Ni)		0.100mg/L					Iron (Fe)	3111B	0.3 mg/L	0.030	0.05	cf	4/25							
Selenium (Se)		0.050mg/L					Potassium (K)		mg/L											
Thallium (Tl)		0.002mg/L					Lithium (Li)		mg/L											
Fluoride (F)		4.00 mg/L					Manganese (Mn)	3111B	0.05 mg/L	0.010	0.48	cf	4/25							
Nitrate (NO ₃ -N)	4110B	10.00 mg/L	0.01	5.76	cf	4/24	Sodium (Na)		mg/L											
Nitrite (NO ₂ -N)		1.00 mg/L					Zinc (Zn)		5.00 mg/L											
Total Nitrate+Nitrite (as N)		10.00 mg/L					Bromate (BrO ₃)		mg/L											
Turbidity		NTU					Bromide (Br)		mg/L											
THM		0.100 mg/L					Chlorate (ClO ₃)		mg/L											
VOC Scan							Chlorite (ClO ₂)		mg/L											
Coliform (total)		POS/ NEG.					Chloride (Cl)		mg/L											
Coliform (fecal)		POS/ NEG.					Phosphate-Ortho(PO ₄)		mg/L											
HPC		C.F.U./ mL					Phosphate-Total(PO ₄)		mg/L											
Lab Comments: Langlier Index will be about 0.1 lower at groundwater temperature at 12-13°C. BDL = Below Detection Limit * = Action level							Sulfate (SO ₄)	4110B	mg/L	1	49.57	cf	4/24							
							Nitrate: Content							Ammonia-free(NH ₃ -N)		mg/L				
							not of concern							Ammonia-total(NH ₃ -N)	8520W6	mg/L	0.10	BDL	CB/K	4/24
							High Nitrate.							Ammonium (NH ₄)		mg/L				
							Do not use for infants							Chlorine - Free		mg/L				
							under 6 months of age							Chlorine - Total		mg/L				
							BDL = Below Detection Limit							Conductivity		umho/cm				
							* = Action level							TOC		mg/L				
														Temperature		°C				



MINNEHAHA COMMUNITY WATER, CORP.

47381 248TH STREET
DELL RAPIDS, SD 57022-5305
TELEPHONE (605) 428-3374 or (605) 529-5799
FAX (605) 428-3395
September 30, 2002

RECEIVED

OCT - 3 2002

WATER RIGHTS
PROGRAM

Water Rights Program
Attn. Eric Gronlund & James Goodman
Department of Environment and Natural Resources
523 East Capitol
Pierre, SD 57501

Dear Sirs:

Minnehaha Community Water Corporation is planning the construction and development of three additional wells for the MCWC water system. The proposed wells will be located in the NE ¼ of Section 17, T104N, R49W, Minnehaha County South Dakota. The wells will be installed south of the Big Sioux River in the area west of the Dell Rapids dam.

A request for permit to appropriate water from future use permit Nos. 5063-3 and 5063A-3 will be filed after the drilling for the wells is complete. The capacity of the wells will be more closely determined after the wells are drilled, screened, cased, and test pumped. Minnehaha Community Water Corporation hereby requests permission from the SD Department of Environment and Natural Resources to construct the wells as test wells and then apply for an appropriation of water consistent with the demonstrated capacity of the wells.

The appropriated water will be used to supply the rural water system, and will be used year-round (January 1 to December 31). If you have any questions regarding this matter please call Scott Buss, Executive Director, MCWC at (605) 428-3374 or David Odens, Project Engineer, Banner Associates at (605) 692-6342. Representatives of Banner and MCWC are also available to meet with Division of Water Rights Staff to review this matter if such a meeting is necessary.

Sincerely,

Scott J. Buss, Executive Director
Minnehaha Community Water

CC: David Odens, PE
Banner Associates, Inc.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

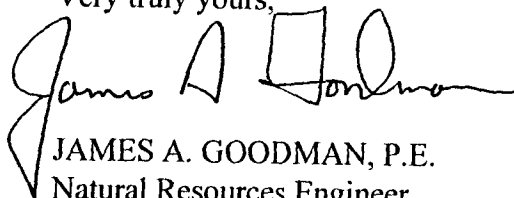
October 1, 2002

Scott J. Buss
Minnehaha Community Water, Corp.
47381 248th Street
Del Rapids, SD 57022-5305

Dear Mr. Buss:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, you are authorized to construct three test wells for the MCWC water system. The wells are to be located in the NE¼ of Sec. 17, T104N-R49W. The test wells must be constructed in accordance with the SD Well Construction Standards. Any test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

Very truly yours,



JAMES A. GOODMAN, P.E.
Natural Resources Engineer
for GARLAND ERBELE, Chief Engineer
Water Rights Program
(605) 773-3352



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

September 5, 2003

Scott J. Buss
Minnehaha Community Water Corporation
47381 248th Street
Dell Rapids SD 57022

Dear Mr. Buss:

We are in receipt of the Corporation's (MCWC) request for three additional wells in the Sioux Falls Management Unit of the Big Sioux Aquifer. It is our understanding that this request is not to increase the diversion rate or acre foot volume amount currently authorized on water rights held by the MCWC.

Upon reviewing the submittal, the Water Rights Program has determined that it is necessary to follow the formal water permitting process which includes the application filing fee and public notice. As I explained to Jim of your staff, there is an administrative rule that states "a new water permit is required to connect a separate water distribution system, located within or outside of the rural water system's area". The project description on the application submitted indicates that the water system expansion includes capacity to serve Colton and Garretson.

Please submit the necessary application filing fee of \$100 along with a list of communities served by MCWC. This way when we public notice the application we will ensure that all separate water distribution systems are fully listed on your water rights as being served by MCWC.

The other reason for requiring the more formal permitting process is because the Sioux Falls Management Unit of the Big Sioux Aquifer was the subject of much controversy in the early 1990's and we believe it is better to error on the side of ensuring the public an opportunity to comment. There has not been any further controversy since the early 1990's issue was resolved.

Please feel free to contact me if you have any questions.

Sincerely,

Eric Gronlund
Water Rights Program, DENR
(605) 773-3352
eric.gronlund@state.sd.us



MINNEHAHA COMMUNITY WATER, CORP.

47381 248TH STREET
DELL RAPIDS, SD 57022-5305
TELEPHONE (605) 428-3374 or (605) 529-5799
FAX (605) 428-3395

RECEIVED
SEP 10 2003
WATER RIGHTS
PROGRAM

September 8, 2003

Mr. Eric Gronlund
Water Rights Program
South Dakota, DENR
523 E. Capitol Ave.
Pierre, SD 57501

Dear Mr. Gronlund,

Thank your for your review of our request for water rights in the Sioux Falls Management Unit of the Big Sioux Aquifer. We understand the sensitive nature of water rights in the Sioux Falls Management Unit and the logic for following the formal permitting process. Please find enclosed a check for the application filing fee in the amount of \$100.

MCWC currently serves the following towns as bulk customers: Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford, and Humboldt. We also serve individuals within the towns of Lyons, Renner, Rowena, and Sherman.

Please let me know if I can provide any further information.

Sincerely,

Scott J. Buss
Executive Director

REPORT ON WATER PERMIT APPLICATION NO. 6455-3
For Minnehaha Community Water Corporation
November 5, 2003

Application No. 6455-3 proposes to add three additional wells Nos. 21, 22, and 23 (53, 96 and 48 feet deep, respectively) located in the NE $\frac{1}{4}$ of section 17, T104N R49W in Minnehaha County. Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3 combined appropriate 9.55 cfs and authorize a total annual volume of water withdrawal of 5,240 acre-feet. The wells for these existing permits/rights are located in section 29, T104N R49W. The rural water system holds Future Use Permit No. 5063A-3 for 717 acre-feet annually for the NE $\frac{1}{4}$ of section 17, T104N R49W. This permit application does not propose an increase in the total annual volume (acre-feet) but would allow pumping the three new wells to produce 1.11 cfs (500 gpm), 2.04 cfs (915 gpm) and 1.11 cfs (500 gpm), respectively, for a total diversion rate of 4.26 cfs (1915 gpm). The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt as well as individuals within the towns of Lyons, Renner, Rowena and Sherman.

AQUIFER – PLEISTOCENE UNKNOWN (PS-U), OR MORE LIKELY THE BIG SIOUX - SIOUX FALLS (BS-SF)

The Big Sioux Sioux Falls is a predominantly surficial outwash (sand and gravel) which is under water table conditions in this area. The aquifer underlies 22,900 acres and contains an estimated 103,050 acre-feet of recoverable water in storage in Minnehaha County (Hedges, 1982). The general direction of ground water movement is from north to south with locally movement toward the river (Lindgren, 1992). The Big Sioux River is hydraulically connected to the aquifer. The Pleistocene Unknown aquifer is actually similar to the Big Sioux aquifer but is apparently separated from the main body of the Big Sioux aquifer by the quartzite high to the south of this new well field. The high isolates this portion of the aquifer but the system would still be hydraulically connected by the Big Sioux River and possibly by outwash on the west side of the river. The question of whether the aquifer is part of the Big Sioux Sioux Falls aquifer is important because the Water Management Board did not consider the Future Use Permit allocation of 717 acre-feet to be part of the annual limit of 32,200 acre-feet established by the Board for the Big Sioux Sioux Fall Management Unit.

Minnehaha Community Water Corporation reported pumping 1,967 acre-feet in 1998, 2,098 acre-feet in 1999, 2,219 acre-feet in 2000, 2,314 acre-feet in 2001 and 2,405 acre-feet in 2002. The water use reported by the rural water system has been consistently increasing.

Water levels for this aquifer can change quickly in response to climatic conditions. The Water Rights Program monitors an observation well MA-80DA which is located about two miles south of this application but in close proximity to the existing well field for Minnehaha Community Water Corporation. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years (recharge)

and gradually declining water levels during dry years. There appears to be about a 12 feet change in water levels (highest to lowest for the period of record) for this observation well (Water Rights, 2003). This fact is a problem for the rural water system because of the relatively thin saturated thickness in their existing well field. As the saturated thickness decreases the pumping rates of the existing wells also decrease. This has created a need for the water system to identify areas with greater saturated thickness.

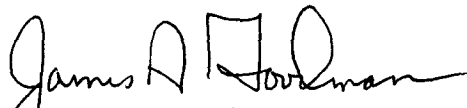
Test well and pumping information for this application indicate, three wells sites with total depths of 53 feet, 96 feet and 48 feet with pumping rates of 500 gpm, 915 gpm and 500 gpm respectively. The drawdown testing data for these wells equate to specific capacities of 34.5 gpm/ft of drawdown, 46.7 gpm/ft of drawdown and 56.8 gpm/ft of drawdown respectively. This well site is located about two miles north of the existing well field for the rural water system.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are no other nearby water permits/rights which obtain water from the Big Sioux aquifer. This application is within the Future Use Area established by Water Permit No. 5063A-3 but does request water from this permit. Interference is not considered to be a concern.

CONCLUSIONS

1. Water is available from this aquifer. Test pumping of the production wells has verified production capacities from the three new wells.
2. These wells have been constructed in accordance with SD Well Construction Standards.
3. Interference is not a concern. There are no other nearby permitted wells which would be impacted.
4. This application does not propose to pump any more volume of water than the system authorized volume of 5,240 acre-feet annually.
5. This application proposes a combined diversion rate of 4.26 cfs from the three new wells.


James A Goodman
Natural Resources Engineer

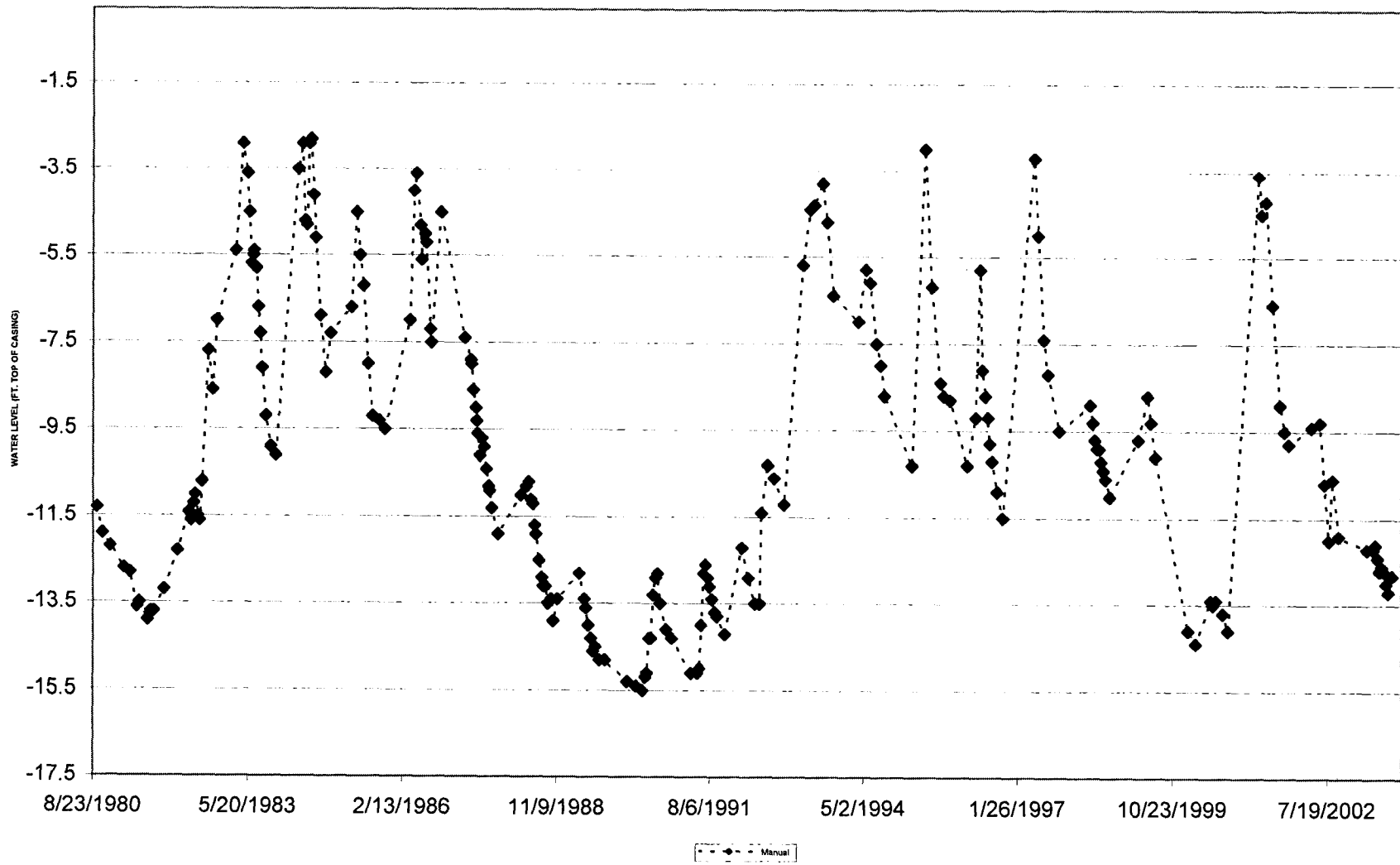
BIBLIOGRAPHY

Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Lindgren, R.J., C.A. Niehus, 1992, Water Resources of Minnehaha County, South Dakota, WRI 91-4101, USGS, Huron, SD, 57350.

Water Rights, 2003, Unpublished Observation Well Data for Minnehaha County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

**WATER RIGHTS' OBSERVATION WELL
MA-80DA**





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6455-3, Minnehaha Community Water Corporation**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6455-3, Minnehaha Community Water Corporation, c/o Scott J. Buss, 47381 248th Street, Dell Rapids SD 57022.

The Chief Engineer is recommending APPROVAL of Application No. 6455-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) it is in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 6455-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Water Rights Nos. 2311-3, 5468-3, 5805-3 and Water Permit Nos. 6164-3 and 6455-3 authorize a total annual diversion of 5,240 acre feet of water.
4. Minnehaha Community Water Corporation shall report to the Chief Engineer annually the amount of water withdrawn from their wells.

See report on application for additional information.

Garland Erbele, Chief Engineer
January 2, 2004



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

**NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPERS RIGHT AWAY.**

January 5, 2004

Minnehaha Community Water Corporation
% Scott J Buss
47381 248th Street
Dell Rapids SD 57022

Dear Mr. Buss:

Water Permit Application No. 6455-3 for rural water system use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publishers of the Argus Leader printed at Sioux Falls, SD (Ph # 605-331-2200), Moody Co. Enterprise printed at Flandreau, SD (Ph # 605-997-3725), Madison Daily Leader printed at Madison, SD (Ph # 605-256-4555), The New Era printed at Parker, SD (Ph# 605-297-4419), Salem Special printed at Salem, SD (Ph# 605-425-2361) and the Sioux Valley News printed at Canton, SD (Ph# 605-764-2000). You will need to contact the newspapers and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspapers to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the papers can eliminate delays. Upon receiving authorization, the publishers have been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspapers have also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 5, 2004

Moody Co Enterprise
PO Box 71
Flandreau SD 57028-0071

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6455-3 to Appropriate Water to be published twice. Please publish the first notice on January 14, 2004 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Minnehaha Community Water Corporation, % Scott J Buss, 47381 248th Street, Dell Rapids SD (Ph # 605 428-3374).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

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Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

No. 6455-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of January 5, 2004 enclosing Notice of Hearing to Appropriate Water by Application No. 6455-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

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Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6455-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

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The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 5, 2004

Sioux Valley News
PO Box 255
Canton SD 57013-0255

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Pierre SD 57501-3181

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523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 5, 2004

Salem Special
PO Box 220
Salem SD 57058-0220

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and NATURAL RESOURCES

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JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 5, 2004

The New Era
PO Box 579
Parker SD 57053-0579

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Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

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PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 5, 2004

Madison Daily Leader
PO Box 348
Madison SD 57042-0348

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and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 5, 2004

Argus Leader
PO Box 5034
Sioux Falls SD 57117-5034

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Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6455-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

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The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Affidavit of Publication

STATE OF SOUTH DAKOTA } :ss
COUNTY OF TURNER }

I, **Angela Pessia** of the City of Parker, County of Turner, State of South Dakota, State of South Dakota, being first duly sworn on oath, deposes and says:

The New Era is a weekly legal newspaper of general circulation, printed and published in the City of Parker, in said County of Turner, by The New Era, Lyon Sioux Press, publishers, and has been such legal newspaper during the times hereinafter mentioned; that the said newspaper has been in existence as such legal newspaper for more than one year prior to the publication of the notice hereunto attached, and has during all of said publication of the notice hereunto attached, and has during all of said time had, and now has, more than 200 bona fide subscribers; that the undersigned, The affiant, is the **Office Manager** of the said newspaper, in charge of the advertisement department thereof and has personal knowledge of all the facts stated in this affidavit and the advertisement headed:

#3330 Minnehaha Community Water Corp

printed copy of hereto attached, is printed and published in the said newspaper for two successive weeks, once each week and on the same day of the week, on the following dates, to-wit:

On Thursday, the 15 day of Jan, 2004;
On Thursday, the 22 day of Jan, 2004;
On Thursday, the _____ day of _____, 200____;
On Thursday, the _____ day of _____, 200____;
On Thursday, the _____ day of _____, 200____;

That \$ 47.47 being the full amount of the fees for publication of the attached notice insures solely for the benefits of the publishers of the said newspaper, that no arrangement or understanding for a division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Angela A Pessia
Subscribed and sworn to before me this 3rd
day of February, 2004

Paul R Harms
Notary Public, Turner County, South Dakota

My Commission

Expires:

02/02

20006



Notice of Water Permit Application No. 6455-3

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FEB - 5 2004

WATER RIGHTS
PROGRAM

Publication Fees . \$ _____

Notary Fees \$ _____

Total \$ 47.47

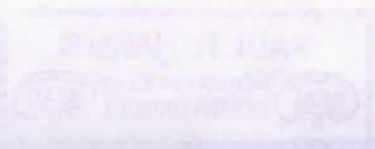
Received Payment, _____

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Steven M. Pirner, Secretary,
Department of Environment and
Natural Resources
(#33330, 1/15/04, 1/22/04, The New
Era)



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SSCounty of McCook)I, Troy Schwanscertify that the attached printed Notice was
takenfrom the Salem Specialprinted and published in SalemCounty of McCook and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

Jan. 15, 2004Jan. 22, 2004

Cost of Printing _____

\$ 53.86[Signature]
(Signature)Owner
(Title)1/23/04
(Date Signed)RECEIVED
JAN 26 2004
WATER RIGHTS
PROGRAM

Public Notice

NOTICE OF WATER PERMIT
APPLICATION NO. 6455-3

Notice is given that Minnehaha Community Water Corporation, c/o Scott J. Buss, 47381 248th Street, Dell Rapids, SD 57022 has filed an application for a water permit. Application No. 6455-3 proposes to appropriate an additional 4.26 cubic feet of water per second (cfs) and to add three additional wells (53, 96 and 48 feet deep, respectively) located in the NE 1/4 of section 17, T104N R49W in Minnehaha County. Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3 combined appropriate 9.55 cfs and authorizes a total annual volume of water withdrawal of 5,240 acre-feet. The wells for these existing permits/rights are located in section 29, T104N R49W. This application does not propose an increase in the total annual volume (acre-feet) but would allow pumping the three new wells to produce 1.11 cfs (500 gpm), 2.04 cfs (915 gpm) and 1.11 cfs (500 gpm), respectively, for a total diversion rate of 4.26 cfs (1915 gpm). The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt as well as individuals within the towns of Lyons, Renner, Rowena, and Sherman.

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The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

AFFIDAVIT OF PUBLICATION-

Customer Number: 078340

Invoice Number: 18271 116644

DEPARTMENT OF ENVIRONMENT & NAT. RES.

Argus Leader **AFFIDAVIT OF PUBLICATION**

STATE OF SOUTH DAKOTA

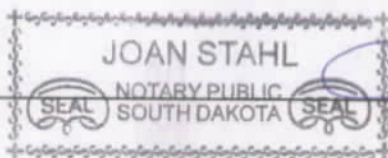
COUNTY OF MINNEHAHA } ss

Vicki Kiel being duly sworn, says: That The Argus Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

Thursday, the 15 day of January 2004 ,
 Thursday, the 22 day of January 2004 ,
 _____, the _____ day of _____ 2004 ,
 _____, the _____ day of _____ 2004 ,
 _____, the _____ day of _____ 2004 ,
 _____, the _____ day of _____ 2004 ,
 _____, the _____ day of _____ 2004 ,

and that \$114.39 was charged for publishing the same including a \$5.00 affidavit fee.

[Signature]
 Subscribed and sworn to before 1/22/2004



[Signature]
 Notary Public, South Dakota

My Commission expires June 30th, 2005

RECEIVED
 JAN 26 2004
 WATER RIGHTS
 PROGRAM

NOTICE OF WATER PERMIT APPLICATION NO. 6455-3

Notice is given that Minnehaha Community Water Corporation, aka Scott-J. Russ, 47381 248th Street, Dell Rapids SD 57022 has filed an application for a water permit Application No. 6455-3 proposes to appropriate an additional 4.26 cubic feet of water per second (cfs) and to add three additional wells (53, 96 and 48 feet deep, respectively) located in the NE 1/4 of section 17, T104N R49W in Minnehaha County, Water

Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3 combined appropriate 9.55 cfs and authorizes a total annual volume of water withdrawal of 5,240 acre-feet. The wells for these existing permits/rights are located in section 29, T104N R49W. This application does not propose an increase in the total annual volume (acre-feet) but would allow pumping the three new wells to produce 1.11 cfs (500 gpm), 2.04 cfs (915 gpm) and 1.11 cfs (500 gpm), respectively, for a total diversion rate of 4.26 cfs (1915 gpm). The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt as well as individuals within the towns of Lyons, Renner, Rowena and Sherman.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6455-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Gas Building, 523 E Capitol Pierre, SD 57501 (605 773-4521) and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 2, 2004.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pinner, Secretary, Department of Environment and Natural Resources.

16644 Jan. 15, 22, 2003

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF LINCOLN

JULIE GERBER

being first duly sworn on her oath says; that the Sioux Valley News is a legal weekly newspaper of general circulation as required by South Dakota Code of Nineteen Hundred Thirty-Nine, and any acts amendatory thereto, printed and published by the Sioux Valley News, Inc., in Canton, in said county and State, and has been such legal newspaper during the time hereinafter mentioned; that she is and during all of said time was bookkeeper of said newspaper and has personal knowledge of the facts stated in this affidavit; that the advertisement headed:

NOTICE OF WATER PERMIT APPLICATION NO. 6455-3

a printed copy of which is hereto attached, was printed and published in said newspaper for **TWO** successive weeks upon the following dates, to-wit:

JANUARY 15, 2004
JANUARY 23, 2004

that the full amount of the fees charged for publishing the same to-wit: the sum of **\$43.23** insures solely to the benefit of the publishers of said newspaper; that no agreement or understanding for any division of this sum has been made with any other person; and that no part of said sum has been agreed to be paid to any person whomsoever.

Subscribed and sworn to before me this **23rd** day of **JANUARY, 2004.**


Notary Public, South Dakota

(Seal)

Jeanne M. Limoges
My Commission Expires
November 18, 2009

RECEIVED

JAN 26 2004

WATER RIGHTS
PROGRAM

NOTICE OF WATER PERMIT APPLICATION NO. 6455-3

Notice is given that Minnehaha Community Water Corporation, c/o Scott J. Buss, 47381 248th Street, Dell Rapids SD 57022 has filed an application for a water permit. Application No. 6455-3 proposes to appropriate an additional 4.26 cubic feet of water per second (cfs) and to add three additional wells (53, 96 and 48 feet deep, respectively) located in the NE1/4 of section 17, T104N R49W in Minnehaha County. Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3 combined appropriate 9.55 cfs and authorizes a total annual volume of water withdrawal of 5,240 acre-feet. The wells for these existing permits/rights are located in section 29, T104N R49W. This application does not propose an increase in the total annual volume (acre-feet) but would allow pumping the three new wells to produce 1.11 cfs (500 gpm), 2.04 cfs (915 gpm) and 1.11 cfs (500 gpm), respectively, for a total diversion rate of 4.26 cfs (1915 gpm). The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt as well as individuals within the towns of Lyons, Renner, Rowena and Sherman.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6455-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

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Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SS
County of Lake)

I, Deanna Bergheim

certify that the attached printed Notice was
taken

from the Madison Daily Leader

printed and published in City of Madison

County of Lake and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

Thursday, January 15, 2004

Thursday, January 22, 2004

Cost of Printing 54.32

Deanna Bergheim
(Signature)

Secretary
(Title)

January 22, 2004
(Date/Signed)

NOTICE OF WATER PERMIT APPLICATION NO. 6455-3

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STEVEN M. PIRNER
Secretary
Department of Environment
and Natural Resources

RECEIVED
JAN 26 2004
WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

) SS

County of Moody)I, Angela Nibbelink

certify that the attached printed Notice was taken

from the MoodyCounty Enterpriseprinted and published in HandmanCounty of Moody and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

January 14, 2004January 21, 2004Cost of Printing \$53.91Angela Nibbelink
(Signature)Office Manager
(Title)1-21-04
(Date Signed)

RECEIVED

JAN 23 2004

WATER RIGHTS
PROGRAMNOTICE OF WATER PERMIT
APPLICATION NO. 6455-3

Notice is given that Minnehaha Community Water Corporation, c/o Scott J. Buss, 47381 248th Street, Dell Rapids SD 57022 has filed an application for a water permit. Application No. 6455-3 proposes to appropriate an additional 4.26 cubic feet of water per second (cfs) and to add three additional wells (53, 96 and 48 feet deep, respectively) located in the NE 1/4 of section 17, T104N R49W in Minnehaha County. Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3 combined appropriate 9.55 cfs and authorizes a total annual volume of water withdrawal of 5,240 acre-feet. The wells for these existing permits/rights are located in section 29, T104N R49W. This application does not propose an increase in the total annual volume (acre-feet) but would allow pumping the three new wells to produce 1.11 cfs (500 gpm), 2.04 cfs (915 gpm) and 1.11 cfs (500 gpm), respectively, for a total diversion rate of 4.26 cfs (1915 gpm). The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt as well as individuals within the towns of Lyons, Renner, Rowena and Sherman.

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(Jan. 14 & 21, 2004)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

FEB 20 2004

Minnehaha Community Water Corp
% Scott J Buss
47381 248th St
Dell Rapids SD 57022

Dear Mr. Buss:

Enclosed is Water Permit No. 6455-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**

Date February 23, 2004

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM: Minnehaha Community Water Corp
(name)
47381 248th St
(address)
Dell Rapids SD 57022 _____
(city, state, zip) (phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 6455-3 states that the water use system is to be constructed by
Feb 2, 2009, and water is to be put to beneficial use by Feb 02, 2013.
(date) (date)

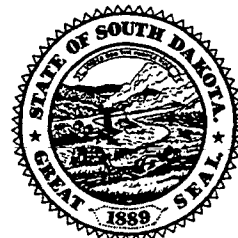
The water use system was completed on August 31, 2003.
(date)

Applying the water to beneficial use was completed on Feb 23, 2004.
(date)

You may schedule an investigation so that the water license may be issued.

Scott Burns
(signature)

RECEIVED
FEB 25 2004
WATER RIGHTS
PROGRAM



Permit No. 6455-3
Big Sioux River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **November 22, 2005**, made a thorough examination of the water use system constructed by **Minnehaha Community Water Corporation** of **c/o Scott J. Buss, 47381 248th St, Dell Rapids SD 57022** holder of Permit No. **6455-3**, bearing the priority of **September 2, 2003** authorizing the diversion of **4.26** cu. ft. per second of the waters of **Big Sioux – Sioux Falls Aquifer** for **rural water system** purposes, in **Minnehaha** County. Water Permit No. 6455-3 does not increase the combined annual diversion of **5,240** acre-feet authorized by Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3

Inspection contact & relationship to permit holder, if applicable: **Jim Auen, Chief Plant Operator**
(605) 428-3374

A. Works used to divert the water:

Well Information:

Well Drilling Firm: **Layne-Western Company**

No. of Wells **3**

Well #21	Well #22	Well #23
Depth(s) <u>57</u> feet Well log is available <u>yes</u>	Depth(s) <u>96</u> feet Well log is available <u>yes</u>	Depth(s) <u>48</u> feet Well log is available <u>yes</u>
Casing: Diameter <u>12</u> inches Length <u>46</u> feet Type <u>steel</u>	Casing: Diameter <u>14</u> inches Length <u>78</u> feet Type <u>steel</u>	Casing: Diameter <u>12</u> inches Length <u>39.5</u> feet Type <u>steel</u>
Screen: Type <u>stainless steel</u> Length <u>7</u> feet Static water level <u>19.8</u> feet	Screen: Type <u>stainless steel</u> Length <u>18</u> feet Static water level <u>19.6</u> feet	Screen: Type <u>stainless steel</u> Length <u>7</u> feet Static water level <u>20.1</u> feet
Pump: Make <u>Grunfuss pitless</u> Model Size <u>6"</u> Capacity <u>500</u> GPM	Pump: Make <u>Grunfuss pitless</u> Model Size <u>8"</u> Capacity <u>915</u> GPM	Pump: Make <u>Grunfuss pitless</u> Model Size <u>6"</u> Capacity <u>500</u> GPM
Motor: Make Model No. Horsepower rating <u>20</u> hp	Motor: Make Model No. Horsepower rating <u>40</u> hp	Motor: Make Model No. Horsepower rating <u>20</u> hp

B. Works used to transport water to place of use:

- 1) Type pvc 2) Size 8 inches 3) Length 110 feet
1) Type pvc 2) Size 16 inches 3) Length 12,335 feet

C. Works used to apply water to beneficial use:

Minnehaha Community Water Corp. water treatment plant and distributions system.

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by yes

The system is in good condition with the point(s) of diversion located as follows: well #21 – 830' S and 1430' W; well #22 – 900' S and 1760' W; well #23 – 1380' S and 1735' W; all from the NE corner of Section 17-T104N-R49W. The works are capable of diverting and conveying to the place of use 4.26 cu. ft. per second of water which is to be used for municipal use. Water has been put to beneficial use to the maximum extent as follows:

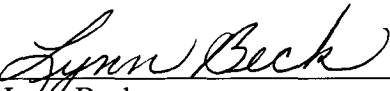
This expansion of the Minnehaha Community Water System includes capacity to serve the following communities in South Dakota: Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford, Humboldt and individuals in Lyons, Renner, Rowena, and Sherman.

The license should be issued for 4.26 cfs, no additional to the combined annual diversion of 5,240 acre-feet authorized by Water Right Nos. 2311-3, 5468-3, 5805-3 and Water Permit No. 6164-3.

All structures, wells and lands on map yes

Comments or other permit(s) associated with the project:

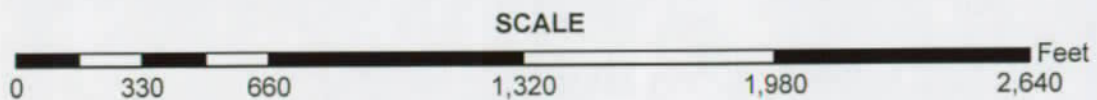
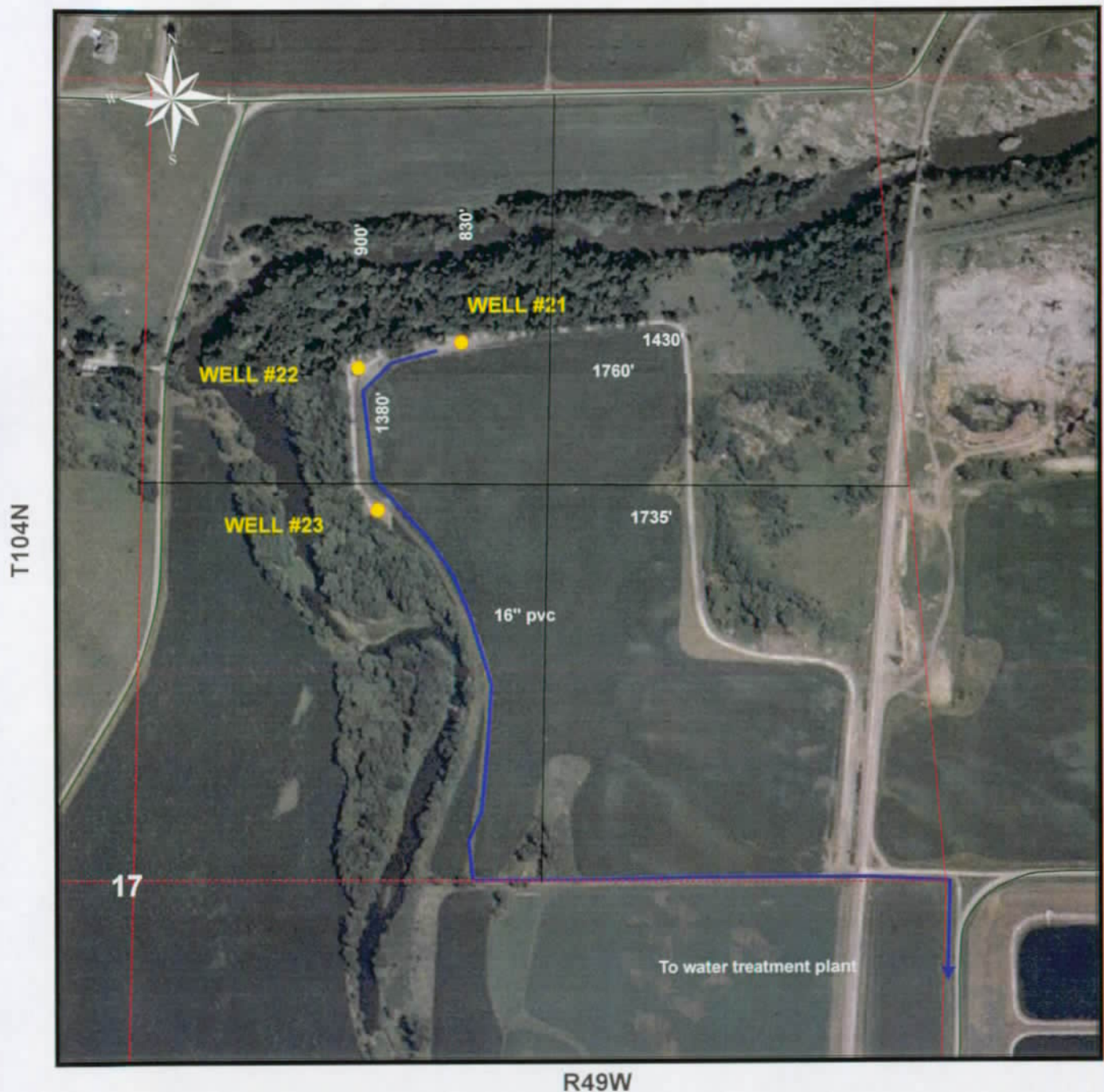
Minnehaha Community Water Corp. also holds Future Use Permit Nos. 4338A-3, 5063A-3, and 5716-3 with a combined total of 1500 acre-feet left in reserve.



Lynn Beck
Natural Resources Engineer Specialist
DENR, Water Rights Program

Date report completed: February 23, 2005

WATER RIGHT NO. 6455-3
Minnehaha Community Water Corporation



Lynn Beck
Lynn Beck
Natural Resources Engineer Specialist
DENR, Water Rights Program
January 13, 2005



STATE OF SOUTH DAKOTA

WATER LICENSE NO. 6455-3

(1) Minnehaha Community Water Corporation, 47381 248th St, Dell Rapid SD 57022 made Application No. 6455-3, September 2, 2003 for a water permit to divert 4.26 cubic feet of water per second from groundwater (three wells), Minnehaha County, South Dakota for rural water system purposes. Permit No. 6455-3, with a priority date of September 2, 2003 was approved February 2, 2004 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 2, 2009 and for the application to beneficial use of water on or before February 2, 2013.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 6455-3 is issued a license, bearing a priority date of September 2, 2003 to appropriate 4.26 cubic feet of water per second from groundwater (three wells) for rural water system use.

The Water Corporation serves the towns of Baltic, Colton, Crooks, Dell Rapids, Garretson, Hartford and Humboldt and individuals within the towns of Lyons, Renner, Rowena and Sherman.

The diversion points are located as follows:

Section 17-T104N-R49W

Well #21 – 830 feet S and 1,430 feet W from the NE corner (NW ¼ NE ¼)

Well #22 – 900 feet S and 1,760 feet W from the NE corner (NW ¼ NE ¼)

Well #23 – 1,380 feet S and 1,735 feet W from the NE corner (SW ¼ NE ¼)

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6455-3 including the following now applicable qualifications:

- The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The wells authorized by Permit No. 6455-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
- Water Right Nos. 6164-3 and 6455-3 authorize a total annual diversion of 5,240 acre feet of water.
- Minnehaha Community Water Corporation shall report to the Chief Engineer annually the amount of water withdrawn from their wells.



Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

APR 01 2005

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

APR 01 2005

6164-3 &
6455-3

Minnehaha Community Water Corporation
47381 248th ST
Dell Rapids SD 57022

Dear Sir:

Enclosed are Water License Nos. 6164-3 & 6455-3. This is the final water right document completing your process of obtaining a Water Right.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

NOTE: The applicable portions of Nos. 2311-3, 5468-3 and 5805-3 are incorporated into Water License No. 6164-3.

enclosures