

WATER PERMIT NO. 2404-2

Name of Applicant: City of Gregory

Address: PO Box 436, Gregory SD

Phone: 605 835-8270

Amount of Water Claimed: 0.58 cfs - 265 gpm - 256 AF

Total Acres: NA

Source of Water Supply: groundwater (8 existing wells & 1 new well)

Water to be used for: municipal

County: Gregory

Type of Waste Disposal System:

Location:

PRIORITY

Date Received: 3-17-98

Fee: \$250.00

Corrected Application Received:

Period of Annual Use: January 1 - December 31

Remarks: 8 existing wells will withdraw from F.U. Permit No. 1622-2 for a total of 0.48 cfs - 220 gpm - 213 AF. 1 new well is for 0.10 cfs - 45 gpm - 43 AF

Diversion Point: N 1/2 SW 1/4 Sec 16,
E 1/2 SE 1/4 Sec 21 and SE 1/4 SE 1/4
Sec 16; all in T97N-R72W

Land to be Irrigated: NA

	16		15		14
	21		22		23

Depth of Well: 71 feet to 100 feet deep

Well Driller: Grosz Drilling

Remarks:

Type of Map: plat

Prepared by: James Arens, RLS

Reviewed and the Number Assigned on: 3-24-98

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

**SOUTH DAKOTA
WATER PERMIT NO. 2404-2**

Date of first receipt of application March 17, 1998.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2404-2 to the City of Gregory, PO Box 436, Gregory SD 57533 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. 2404-2 places to beneficial use water reserved by Future Use Permit No. 1622-2 and appropriates additional water. The permit places to beneficial use 0.48 cubic feet of water per second (cfs) [213 acre-feet annually] from 8 existing wells (Ogallala Formation) 70 to 100 feet deep located in the N 1/2 SW 1/4 Section 16 and E 1/2 SE 1/4 Section 21; all in T97N-R72W. These wells have been in use for a number of years. This permit also authorizes the appropriation of 0.10 cfs (43 acre-feet annually) from one proposed well (Ogallala Formation) approximately 80 feet deep located in the SE 1/4 SE 1/4 Section 16-T97N-R72W. This new well is not within the future use area authorized by No. 1622-2 and will be a new appropriation of water.
2. The water appropriated shall be used for the purpose of supplying water to the City of Gregory and may not exceed the amount of water needed for beneficial use for municipal use purposes.
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. 2404-2 is June 15, 1998.
5. The date from which applicant may claim right is January 13, 1977 (213 acre-feet annually from 8 existing wells) and March 17, 1998 (43 acre-feet annually from the additional well).
6. One-fifth of the construction is to be completed on or before December 15, 2000.
7. All construction is to be completed on or before June 15, 2003.
8. Water is to be put to beneficial use on or before June 15, 2007.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

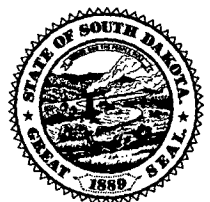
1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The new well authorized by Permit No. 2404-2 shall be constructed by a licensed well driller and construction 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 MANAGEMENT BOARD

By: John Hatch
John Hatch, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

SEP 4 1998

date



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



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only)	
	No. <u>2404-2</u>	Hydrologic Unit <u>1015-0001</u>
	Basin <u>Nebraska Trib.</u>	
	Newspaper <u>Times-Advocate, Gregory, SD</u>	

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☒ 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. 1622-2
☐ Amendment/Correction to Permit No. _____

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

1. Name of Applicant City of Gregory Phone 605 835-8270
 (check one) ☒ Owner ☐ Tenant/lessee
 Mailing Address P.O. Box 436 Bucke Gregory State SD 57533
 (Street, RR, or Box) (Zip Code)

2. Amount of water claimed 0.58 *CFS or 265 gpm **GPM 256 ***AF
 (*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater (8 existing wells 1 proposed well)

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 6 existing wells N1/2 SW1/4 (150 gpm)
Section 16 T97N R72W 2 existing wells. 1 new SE1/4 Section 21 T97N R72W (70 gpm)
proposed well SE1/4 SE1/4 Section 16, T97N, R72W (45 gpm) County Gregory

5. County or counties where water will be used Gregory

6. Annual period during which water is to be used January 1 - December 31

7. 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)
To permit existing wells and one proposed well not currently under permit
8 existing wells are from F.U. Permit 1622-2 220 gpm - 0.48 CFS - 213 AF
1 New Well - 45 gpm - 0.10 CFS - 43 AF

STATE OF SOUTH DAKOTA) SS
 County of Hughes
 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, James Scissons Mayor 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.

Signed James Scissons
 Subscribed and sworn to before me this 17th day of March 1998
Dattyl R. Bruckner
 Notary Public

CITY OF GREGORY

Al Cerny
Finance Officer

Box 436
GREGORY, SOUTH DAKOTA 57533
Phone (605) 835-8270

James A. Scissons
Mayor

WATER USE RESERVATION

ATTACHMENT TO FORM 2 QUESTION #7

The City of Gregory would like to reserve the water use rights to the SE 1/4 of the SE 1/4 of Section 16 T97 R 72 and NE 1/4 of the SE 1/4 of Section 16 T 97 R 72. These two areas border the current water field for the City of Gregory covered under License # 1031- 2 and includes N 1/2 SW 1/4 and the NW 1/4 SE 1/4 of Section 16 T 97N, R 72W.

The City of Gregory would like to reserve this area because of the need to expand their current water supply. At the present time, there is a well dug in the SE 1/4 of the SE 1/4 of this area that the city has test pumped. The results have been encouraging, and the city would like to develop this well and use it to help serve the municipal water needs. The city has acquired an easement to the well and the surrounding area for future well development from the owner of the land.



CITY OF GREGORY

Al Cerny
Finance Officer

Box 436
GREGORY, SOUTH DAKOTA 57533
Phone (605) 835-8270

James A. Scissons
Mayor



WATER PERMIT

ATTACHMENT TO FORM 2
QUESTION #7

The City of Gregory has water License # 1668-2 and a future use water permit # 1622-2 to use water from the area in which Well #3 and Well #4 were constructed.

Wells #3 and #4 were needed because the City of Gregory's water supply was not keeping up with demand. Those two wells were built in the same well field as Well #1 and Well #2 (both described in water License # 1668-2).

Wells #3 and #4 are approximately 85' deep, pump 35 g. p.m. and are connected with 2" plastic pipe to a 6" water main that flows into the East well booster station. (See drawing)

"A" "matchbox"

Supplemental Information

(type or print in ink)



1. Well Information - Proposed Construction

Well #1

- a) Drill Hole Diameter 6" Depth 76'
- b) Casing Type PVC ANNA C-900 Diameter 6" Thickness 1/2"
- c) Screen Type Stainless Steel Diameter 6" x 10' Thickness .025"
- d) Gravel Pack Am. Materials Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 18'
- f) Depth to Water (ground surface to water level) 36'
- g) Distance to nearest existing domestic well:
- On applicants property 600' 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

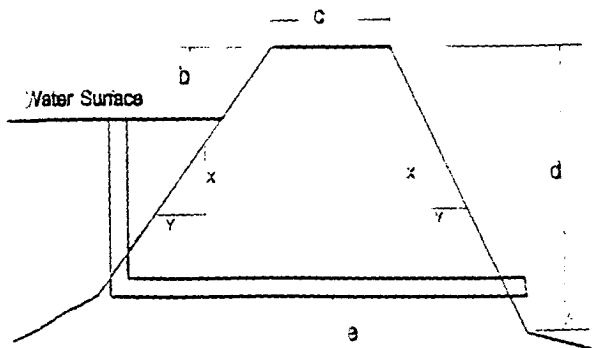
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

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 _____



Supplemental Information

(type or print in ink)

Well #2

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 6" Depth 81'
- b) Casing Type PVC 6-900 Diameter 6"
- c) Screen Type Stainless Steel Diameter 6" x 10' Thickness .025
- d) Gravel Pack .70 - .80 Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 22'
- f) Depth to Water (ground surface to water level) 34'
- g) Distance to nearest existing domestic well:
- On applicants property 600' 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

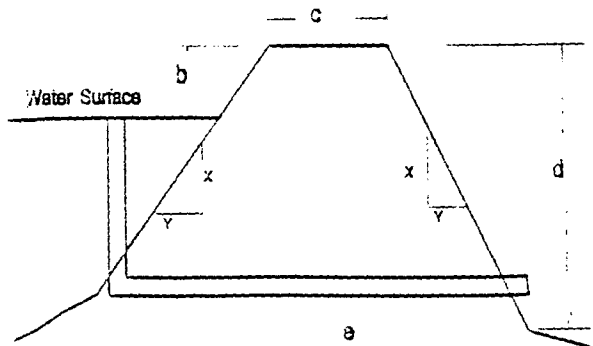
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

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



Supplemental Information

(type or print in ink)

Well #3

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 6" Depth 71'
- b) Casing Type PVC C-900 Diameter 6" Thickness CL-200
- c) Screen Type Stainless Steel Diameter 6" Thickness .025
- d) Gravel Pack #.70 - #80 Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 16'
- f) Depth to Water (ground surface to water level) 33'
- g) Distance to nearest existing domestic well:
- On applicants property 600' 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 _____

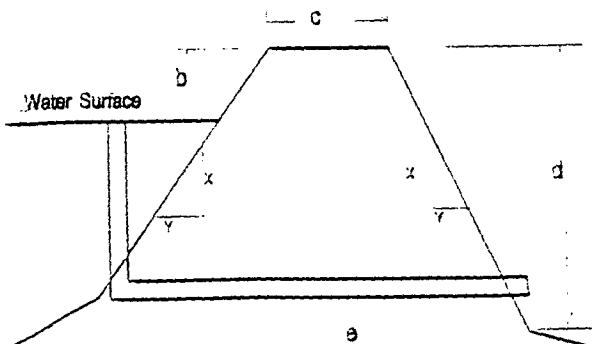
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



Supplemental Information

"D"
malchow

(type or print in ink)

Well #4

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 6" Depth 77'
- b) Casing Type PVC-C-900 Diameter 6" Thickness CL-200
- c) Screen Type Stainless Steel Diameter 6" Thickness .025
- d) Gravel Pack #.70-#.80 Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 20'
- f) Depth to Water (ground surface to water level) 29'
- g) Distance to nearest existing domestic well:
- On applicants property 600' 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 _____

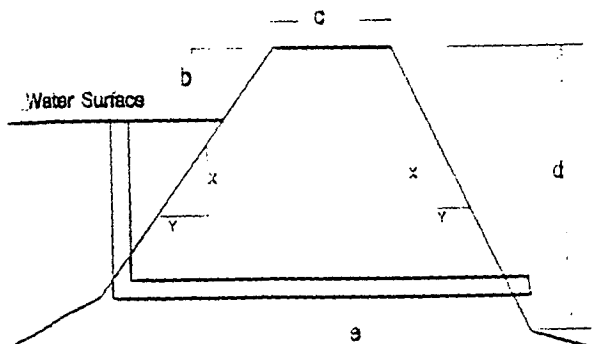
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



Matchew Supplemental Information
"E"

(type or print in ink)

Well #5



1. Well Information - Proposed Construction

- a) Drill Hole Diameter 6" Depth 84'
- b) Casing Type PVC - C-900 Diameter 6"
- c) Screen Type Stainless Steel Diameter 6" Thickness .025
- d) Gravel Pack #.70 - #.80 Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 24'
- f) Depth to Water (ground surface to water level) 31'
- g) Distance to nearest existing domestic well:
On applicants property 600' 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

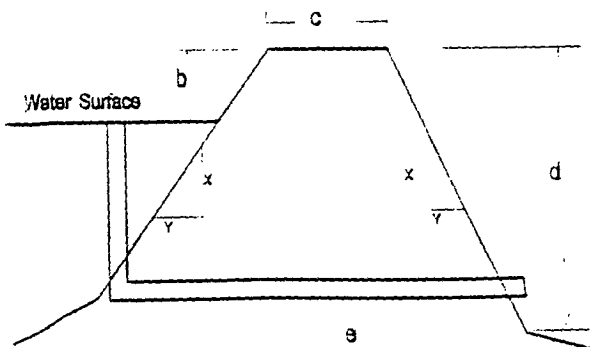
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

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



Supplemental Information

in Alchew F

(type or print in ink)

well #6

1. Well Information - Proposed Construction

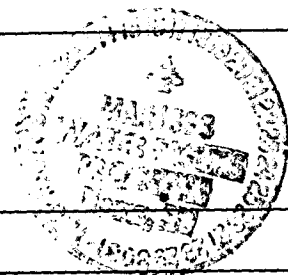
- a) Drill Hole Diameter 6" Depth 100'
- b) Casing Type PVC C-900 Diameter 6" Thickness CL-200
- c) Screen Type SPANKSS Steel Diameter 6" Thickness .025
- d) Gravel Pack #70 - #80 Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 25'
- f) Depth to Water (ground surface to water level) 30'
- g) Distance to nearest existing domestic well:
- On applicants property 600' 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) _____

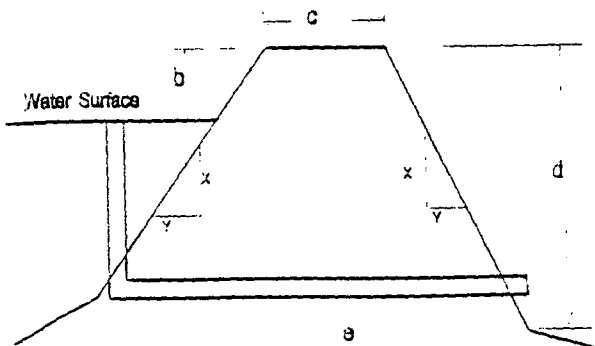


4. Water Storage Dams

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



Supplemental Information

(type or print in ink)

3
Sattler # SE SE sec 21 97N
72N

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 12" Depth 82'
b) Casing Type Plastic Diameter 6" Thickness 1/4"
c) Screen Type Plastic Diameter 6" Thickness .010
d) Gravel Pack Thickness 6" Length of Gravel Pack 23'
e) Depth to Top of Water Bearing Material 58'
f) Depth to Water (ground surface to water level) 62'
g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others 1,000'



2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
b) System Capacity (gallons) _____ c) Year Constructed _____
d) 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

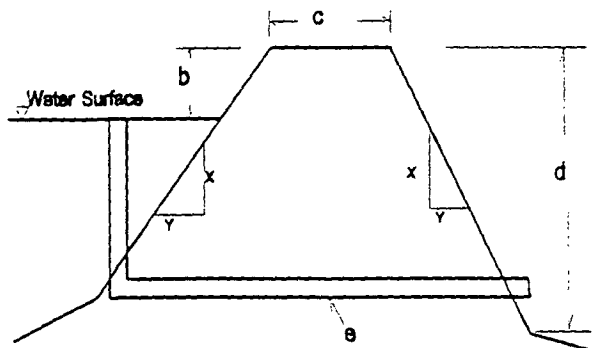
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



Supplemental Information

(type or print in ink)

Sattler #04
NE SE Sec 21 97N 72W

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 12" Depth 85'
- b) Casing Type Plastic Diameter 6" Thickness 1/4"
- c) Screen Type Plastic Diameter 6" Thickness .008
- d) Gravel Pack Thickness 6" Length of Gravel Pack 23'
- e) Depth to Top of Water Bearing Material 45'
- f) Depth to Water (ground surface to water level) 53'
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others 1200'

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ c) Year Constructed _____
- d) 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

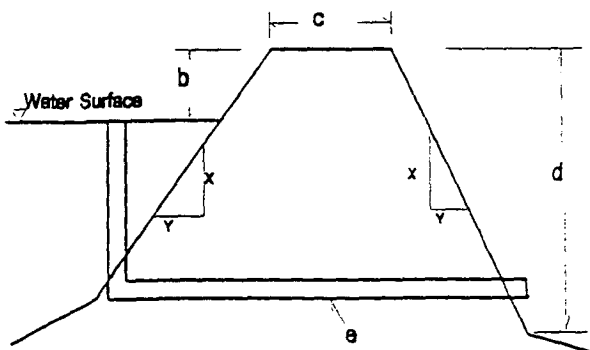
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



GROUND-WATER STUDY FOR THE CITY OF GREGORY

This report contains the results of a special ground-water investigation conducted by the South Dakota Geological Survey east of the City of Gregory in Gregory County, South Dakota. The project was financed by the South Dakota Geological Survey, the West River Conservancy Sub-District, and the City of Gregory.

Field work was conducted from April 22 to June 17, 1977, and involved: (1) a review of the geology of the area as mapped by the South Dakota Geological Survey (R. E. Stevenson, 1956-57), (2) a review of Special Report 49 (A. Barari, 1969), (3) the drilling of 29 rotary holes and 34 auger holes (see app. A), and (4) the collection and analysis of 10 water samples. Results of the chemical analysis of the water samples can be found in table 1 and figure 1 shows the recommended areas. The location of test holes and water samples are plotted on figure 2 and figure 3 shows the thickness of saturated sand.

At present the City obtains its water supply from 13 wells within the City limits and 7 wells in the southwest 1/4 of sec. 16, T. 97 N., R. 72 W. Combined production from these wells is 300 gallons per minute (personal communication, Robert Soutay). The present investigation was undertaken to locate a source of ground water to augment the present water supply.

Quality of the water in the study area is good, as evidenced by the relatively low value for total dissolved solids, however, the nitrate level varies. Samples 4-1, 4-2, and 4-7 exceed the recommended limits of 10 ppm (table 1) as set by the U.S. Department of Health.

REPRODUCTIONS.

REDUCTION

25:1

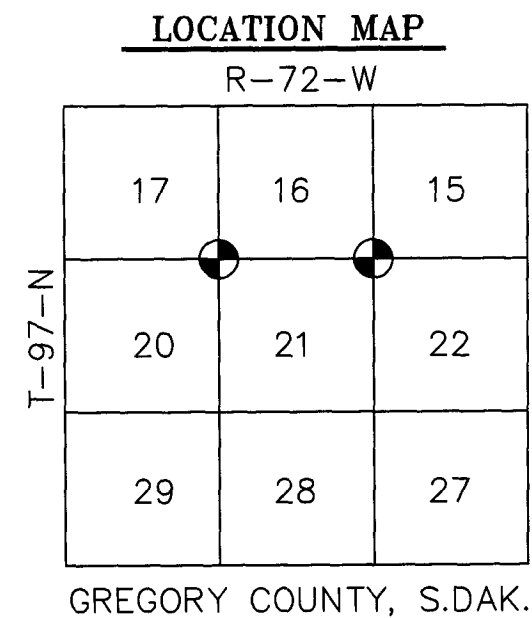
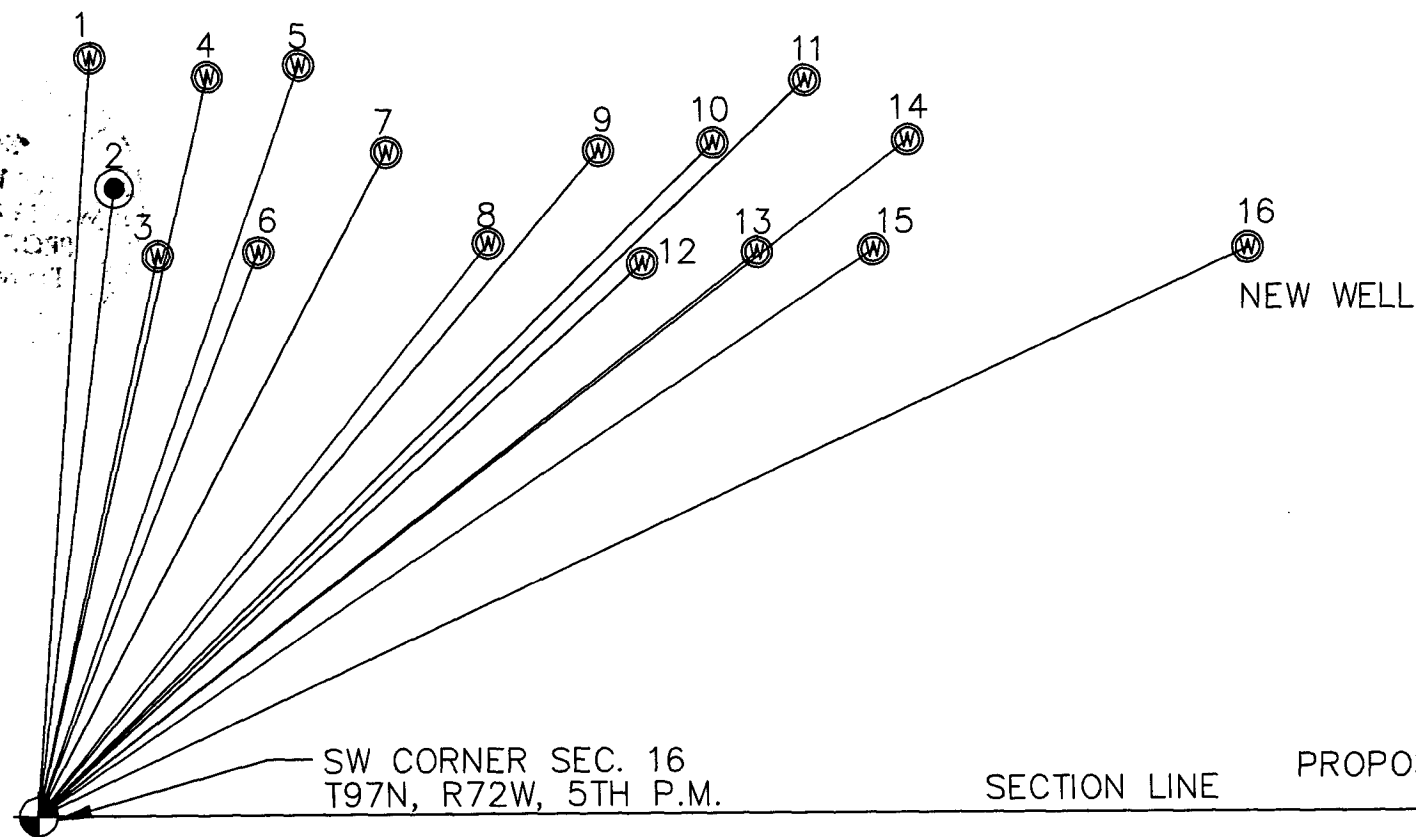
ROLL NO. 19

DATE MICROFILMED

3-30-82

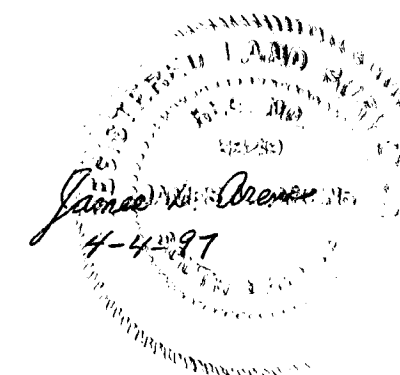
Alvin P. Smith

THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTOGRAPHY

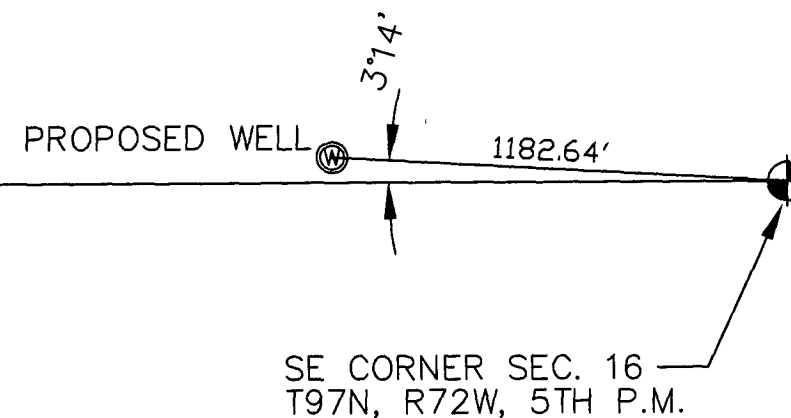


LEGEND

- SECTION CORNER
- CITY WELL
- FARM WELL



WELL #	CITY #	HORIZONTAL ANGLE FROM SECTION LINE	HORIZONTAL DISTANCE FROM SW SECTION CORNER
1		85°56'	1986.4'
2	UNUSED	82°55'	1651.9'
3		77°46'	1496.1'
4		76°57'	1980.4'
5		70°40'	2075.3'
6		68°28'	1581.1'
7		62°05'	1957.9'
8		51°36'	1901.5'
9		49°40'	2271.2'
10		44°42'	2488.7'
11		43°35'	2775.7'
12		42°13'	2139.0'
13		37°52'	2386.8'
14		37°39'	2876.9'
15		33°55'	2635.7'
16		24°57'	3489.0'



CITY OF GREGORY WELL PERMITTING			
DRAWN BY: J.L. ARENS		DATE: 04/03/97	
CHECKED BY: V.J. ARENS		DRAWING NO.: 97103-1	
JOB NO.: 97103		SHEET 1 OF 1	

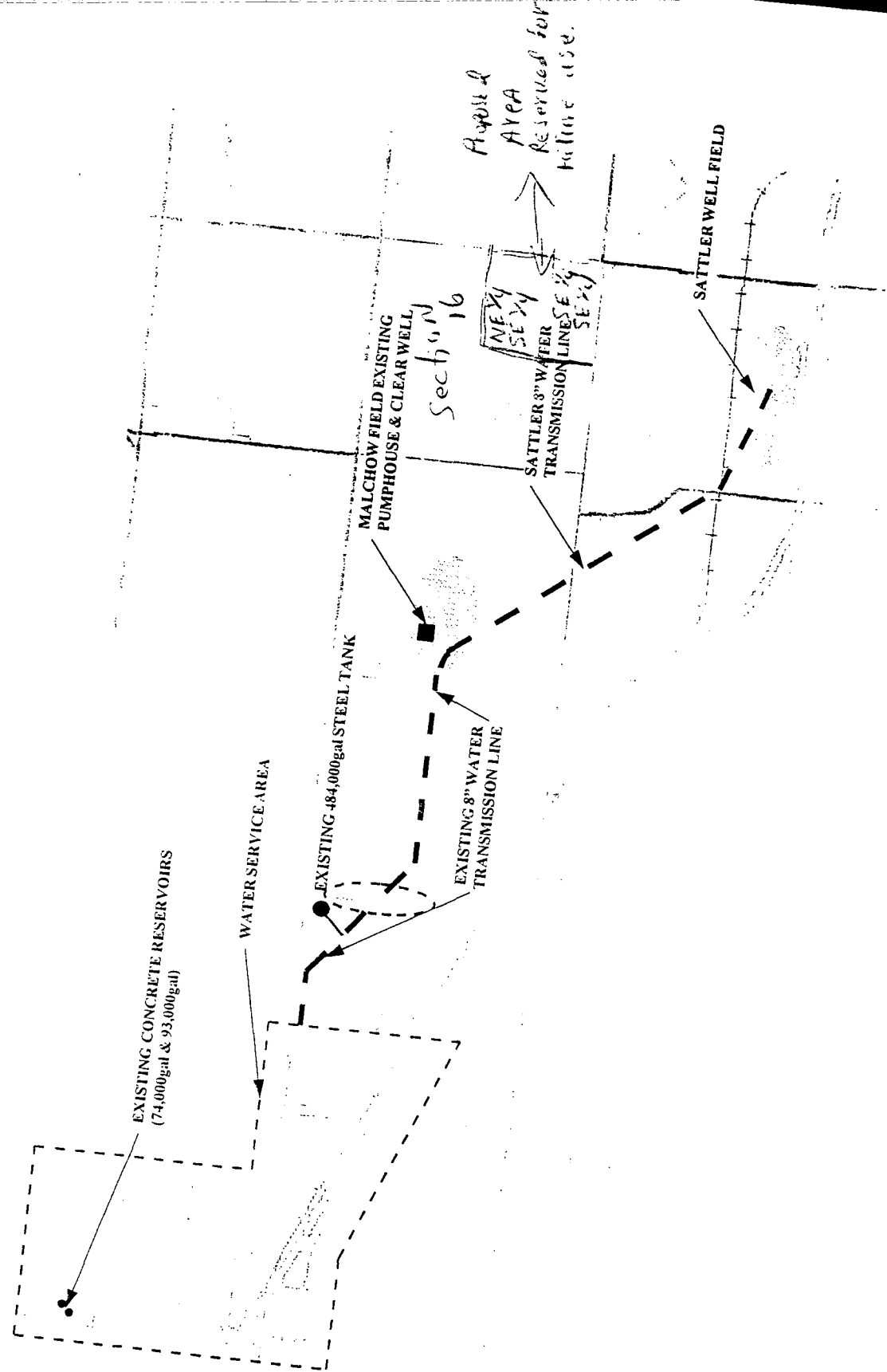


FIGURE 1.1 WATER SERVICE AREA
VICINITY MAP

Applied
AREA
Reserved for
future use.

Section 16

NEW
SERV
SATTLE 8" WATER
TRANSMISSION LINE
SERV

MALCHOW FIELD EXISTING
PUMPHOUSE & CLEAR WELL

SATTLE WELL FIELD

RECEIPT

415547

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ December 3, 19 97

RECEIVED OF City of Gregory, P.O. Box 436, Gregory, SD 57533

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

Fee for Application for Permit No. <u>2404-2</u> to Appropriate Water, to construct and to put water to beneficial use _____	600	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. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	600 00

By

Chief Engineer

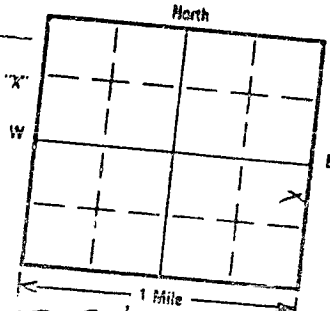
John Hatch

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location: NE SE 21 97N Rg 72W

County
Gregory

Please mark well location with an "X"



Well Completion Date 2-19-96

5-18-96 Pump installed

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? None within a mile (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>200</u> LB/FT	<u>6</u> IN	<u>0</u> FT	<u>85</u> FT	<u>12</u> IN
<u>200</u> LB/FT	<u>6</u> IN	<u>0</u> FT	<u>85</u> FT	<u>12</u> IN
<u>200</u> LB/FT	<u>6</u> IN	<u>0</u> FT	<u>85</u> FT	<u>12</u> IN

GROUTING DATA

Grout Type Cement No. of Sacks 20+ Grout Weight 5500 lb./gal 0 From 0 To 55 ft.
Describe grouting procedure Trimmy pipe

Top of later with Rod mix

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 6 IN Length 23 FEET

Material Plastic

lot Size 1003 Set From 62 Feet to 85 Feet

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? Bentonite

Describe packer(s) and location? Between G.P. & Trout

DISINFECTION:

Was well disinfected upon completion? Yes, How: Chlorine

NO, Why Not?

Well Owner: City of Gregory
Business Name:
Address: Gregory S.D.

WELL LOG:

FORMATION	DEPTH <u>85</u>	
	FROM	TO
Top Soil	0	3
Fine Sand with Hard Layers - Yellow clay	3	35
Loose Sand with Chalk	35	45
White Chalk	45	62
Very Fine Sand		
Small amount of mud streaks	62	85
Stopped in pink mud.		

STATIC WATER LEVEL

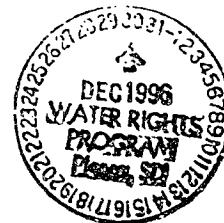
32

If flowing: closed in pressure _____ Feet
GPM flow _____ through _____ PSI
Controlled by ☐ Valve ☐ Reducer ☐ Other _____ inch pipe
Reduced Flowrate _____
Can well be completely shut in? _____ GPM

WELL TEST DATA:

☒ Pumped Describe: Sub pump
☐ Bailed
☐ Other
Pumping Level Below Land Surface
75 ft. After 2 Hrs. pumped 35-40 GPM
ft. After _____ Hrs. pumped _____ GPM
If pump installed, pump rate 35-40 GPM

REMARKS



This well was drilled under license # 42

And this report is true and accurate.

Drilling firm Grosz Drilling Co

Signature of License Representative:

[Signature]

Signature of Well Owner or Equitable Property Holder:

Laboratory sent to for water quality analysis State Lab.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

February 5, 1997

Al Cerny, Finance Officer
City of Gregory
PO Box 436
Gregory SD 57533-0436

Dear Mr. Cerny:

I am writing in response to our phone conversation on February 5, 1997 concerning the city applying for an additional water right permit.

Enclosed is a copy of Water Right Nos. 1031-2 and 1668-2 and Future Use Permit No. 1622-2. The number of wells and location of each well is described on the Report of Examination of Works attached to each water license. Future Use Permit No. 1622-3 was reviewed in June of 1994 and allowed to remain in effect with 578 acre feet reserved for future use. The area encompassed by the future use permit is described in the attached newspaper publication notice.

I have also enclosed a blank set of application forms with an instruction sheet for your use. If you need any assistance, please contact Eric Gronlund or myself at (605) 773-3352. We will help in any way possible.

Sincerely,

Ron Duvall
Natural Resources Engineer
Water Rights Program

enclosures

CITY OF GREGORY

Al Cerny
Finance Officer

Box 436
GREGORY, SOUTH DAKOTA 57533
Phone (605) 835-8270

James A. Scissons
Mayor



Eric -

Enclosed are the copies of the surveys done at the City's "EAST" well field site. Thanks for your help - you did way more than I expected and I appreciate it very much -

Thanks -

Al Cerny



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

August 25, 1997

Al Cerny, Finance Officer
City of Gregory
P.O. Box 436
Gregory, SD 567533-0436

Dear Mr. Cerny:

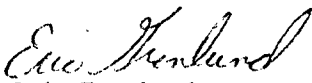
I am writing in reference to a possible water right permit issue that I came upon regarding the City of Gregory. The city currently holds two water rights for wells to meet the city's water needs and a future use permit that reserves water in the aquifer for future development. It came to my attention that the city may not have acquired a water right for the original 13 wells located within the city limits.

In 1971, Gregory obtained a Water Right No. 1031-2 to appropriate 270 gallons per minute (gpm) from 7 wells located in the S1/2 Section 16, T97N, R72W. Then in 1979, the city obtained Water Right No. 1668-2 to appropriate 63 gpm from two additional wells located in the SW1/4 SE1/4 Section 21, T97N, R72W. Copies of these water rights are enclosed. However, I can not find where the city ever obtained a water right for 13 wells located within the city limits that supplied water to the city originally.

The reason for this letter is to see if you can shed some light on the history of these 13 wells. It may be that the city abandoned and plugged these wells when they developed alternate water supplies. However, if any of these wells are still used a water right will need to be obtained. If water use from these wells began before 1955, the city may claim a vested water right. I have enclosed an application form along with instruction sheets for filing either a vested water right claim or water right permit.

Please contact me if you provide information on the status of these wells. My goal is to ensure that the city has water rights that reflect its water system.

Sincerely,


Eric Gronlund
Water Rights Program
(605) 773-3352

enclosure

c: Doug Steffen, Water Superintendent

CITY OF GREGORY

Al Cerny
Finance Officer

Box 436
GREGORY, SOUTH DAKOTA 57533
Phone (605) 835-8270

James A. Scissons
Mayor

WATER RIGHTS PROGRAM
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SD 57501-3181



RE: FUTURE USE PERMITS

ENCLOSED PLEASE FIND APPLICATIONS FOR THE CITY OF GREGORY. WE HAVE DEVELOPED TWO ADDITIONAL WELLS IN AN AREA WE CURRENTLY HAVE WATER RIGHTS FOR AND THE CITY WOULD LIKE TO DEVELOP A THIRD WELL IN AN AREA THAT WE HAVE EASEMENTS FOR BUT NO WATER RIGHTS RESERVED.

IN ADDITION, I RECEIVED A LETTER FROM ERIC GROUNDLAND DATED 8-25-97 IN WHICH THERE WAS A QUESTION OF THE CITY WATER RIGHTS FOR 13 WELLS WITHIN THE CITY LIMITS. THE CITY HAS ON RARE OCCASIONS USED THE IN TOWN WELLS IN AN EMERGENCY SITUATION BUT WE DO NOT RELY ON THESE WELLS FOR OUR WATER PRODUCTION. I BELIEVE THAT THERE IS 6 OR 7 WELLS THAT ARE CURRENTLY WORKING AND THE REST ARE NOT USED AT ALL. WE DO GET REQUESTS FROM CITIZENS TO USE THE WELLS TO LOWER THEIR WATER TABLE. I WILL NEED TO DISCUSS WITH THE WATER SUPT. AND COUNCIL IF WE WANT TO CONTINUE TO OPERATE THE WELLS IN AN EMERGENCY SITUATION. THE CITY WILL HAVE TO TAKE CARE OF THE OLD WELLS NOT BEING USED AND I'LL HAVE TO DO SOME PAPERWORK ON WATER RIGHTS FOR THE OTHER ONES IF WE DECIDE TO KEEP SOME OF THE WELLS.

SINCERELY,

ALLEN CERNY
CITY FINANCE OFFICER



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

December 18, 1997

Allen Cerny, Finance Officer
City of Gregory
Box 436
Gregory, SD 57533

Dear Mr. Cerny:

Thank you for submitting the City of Gregory's three *Applications for a Permit to Appropriate Water in South Dakota*. I have a few questions necessary to clarify the applications.

First, let me begin with the two applications for Well Nos. 3 and 4 in the SE1/4 of Section 21, T97N, R72W. These applications propose to place to beneficial use water reserved by the city's future use permit. Each application states the amount of water claimed is 35 gallons per minute (gpm). The existing future use permit is quantified on a volume (acre-foot) amount remaining in reserve. The two applications will also need to identify an acre foot amount to be placed to beneficial use. I suggest that the amount claimed use a 60% pump rate conversion. Sixty percent pumping of 35 gpm on an annual basis equates to 34 acre feet of water annually. I also suggest that the two applications be consolidated into one application requested 70 gpm (68 acre feet annually). This will ultimately reduce the application filing fee. If you agree with these changes, please let me know and I will amend the applications accordingly.

The other application submitted is more complicated. This application requests an appropriation of 75 gpm from one well and a future well located in the E1/2 SE1/4 Section 16, T97N, R72W. The application does not differentiate between the amount of water to be appropriated from the new well and the amount of water reserved for future use. Future use permits to reserve water and permits to appropriate water for immediate use are separate types of applications requiring separate filings. However, if the city plans to construct the "future" well within the next five years then the two wells can be on the same application. A permit holder has five years to complete construction of works once obtaining a permit. These applications need to also identify an acre foot volume under the amount of water claimed section.

I also note that the map submitted with this application shows 15 city wells. Water Right No. 1031-2 authorizes 7 wells in this described area. Can you provide an explanation of the additional wells which have been developed in the S1/2 of Section 16? If there are additional wells, the most appropriate way to proceed may be for the city to amend its application to include the new well(s) and the additional wells. The application will need to define the total amount of

water appropriated by these wells. Water Right No. 1031-2 currently appropriates 270 gpm and the new application states 75 gpm for a total of 345 gpm.

Finally, you intend to discuss with the water superintendent and city council the wells located within the city limits that I discussed in my letter, dated August 25, 1997. Once a decision is made you will let us know whether wells will be abandoned or a water right permit obtained for their use during emergency situations.

Mr. Cerny, I realize these water right permitting issues may be confusing. Please do not hesitate to contact me if you have questions. The city's check for \$600 to pay the application filing fees has been cashed. Once we get these issues resolved we will refund any overpayment or request additional payment, whichever is appropriate.

Sincerely,

A handwritten signature in cursive script, appearing to read "Eric Gronlund".

Eric Gronlund
Water Rights Program
(605) 773-3352

enclosures

CITY OF GREGORY

Al Cerny
Finance Officer

Box 436
GREGORY, SOUTH DAKOTA 57533
Phone (605) 835-8270

James A. Scissons
Mayor

January 27, 1998

Eric Gronlund, Water Rights Program
Dept. of Environment & Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



Dear Eric Gronlund:

I have received your letter with the questions and suggestions on the city's applications to appropriate water. I apologize for not answering sooner, and I appreciate your suggestions in regard to our applications.

First, I do agree with your suggestion to put the applications for wells #3 and #4 together and change the amount to 68 acre feet claimed.

One of the future use wells will be constructed within five years. The acre foot volume claimed would be 68 acre feet for that well and 34 acre feet for the future wells, which may not be developed within five years.

The city developed six additional wells in 1985 in the S 1/2 Section 16, the same general area that Water Right No. 1031-2 authorized the seven wells to be built. We will amend our application for six additional wells or 150 g.p.m. on Water Right No. 1031-2.

The city would like to get a water right permit for the in town wells for their use during emergency situations.

Thank you for your help with these applications.

Sincerely,

A handwritten signature in cursive script that reads "Al Cerny".

Al Cerny
City Finance Officer

REPORT ON WATER PERMIT APPLICATION NO. 2404-2
for the City of Gregory
May 7, 1998

Application No. 2404-2 proposes to place to beneficial use water reserved by Future Use Permit No. 1622-2 and to appropriate water. The application proposes to place to beneficial use 0.48 cfs (213 acre feet annually) from 8 wells ranging in depth from 70 to 100 feet located in the N 1/2 SW 1/4 of Section 16 and the E 1/2 SE 1/4 of Section 21; all in T97N-R72W in Gregory County. These wells have been in use for a number of years. This application also proposes to appropriate 0.10 cfs (43 acre feet annually) from one proposed well approximately 80 feet deep located in the SE 1/4 SE 1/4 of Section 16, T97N-R72W. This new well is not within the future area authorized by No. 1622-2 and will be a new appropriation of water. All the water is for municipal use by the City of Gregory.

AQUIFER - OGALLALA GROUP (OGLL)

The Ogallala Group is represented in this area by the Ash Hollow and Valentine Formations (Barari, 1969). These sediments consists of mostly fine to medium sand and sandstone with some clay. The aquifer is under unconfined or water table conditions in this area. The aquifer underlies 193,280 acres and contains an estimated 1,932,000 acre feet of recoverable water in storage in Gregory County (Allen, 1984). The aquifer extends into Tripp County to the West and ground water direction of movement probably mirrors the topography.

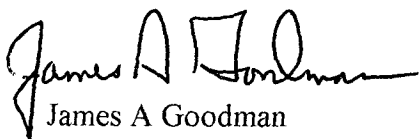
The Water Rights Program monitors an observation well GY-77A which is completed into the Ogallala Group and located in the southeast corner of Section 21. The water level record for this well shows good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 1998). A hydrograph for this observation well is included with this report.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

The only other permits/rights in the area belong to the City of Gregory. Interference is not a concern. The City has numerous wells in Section 16 which are all pumping from the same aquifer. The diversion rates are all relatively small in the 40 gpm range so drawdown created by pumping should be contained to the area near the well. However, during dry years there will be an overall lowering of the water table which could cause some problems maintaining the diversion rates for some of the wells. In any event, the city has control over the diversions and can manage accordingly.

CONCLUSIONS

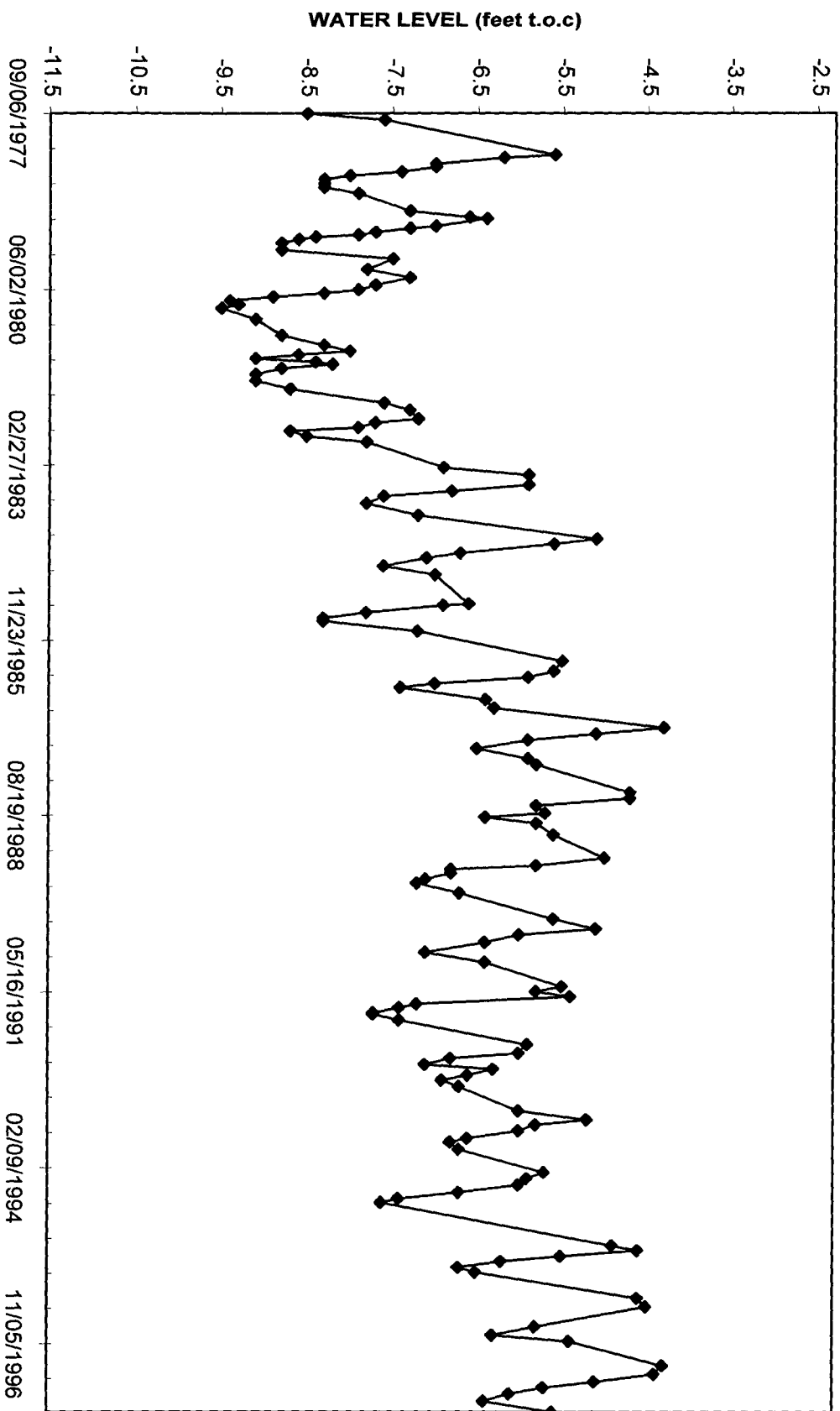
1. Water is available from the Ogallala aquifer.
2. The aquifer is under water table conditions. Pumping at these requested rates will not create significant drawdown and interference is not a concern. The most significant problem will be during protracted drought periods when the water table would decline overall and may decrease pumping rates.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. Approval of this application will leave 365 acre feet remaining in Future Use Permit No. 1622-2. The 213 acre feet appropriated would have the priority date established by the future use permit.
5. The well located in the SE 1/4 SE 1/4 of Section 16, T97N-R72W is not in the future use area. This portion of the application would have a new priority date for the 43 acre feet appropriated.


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Allen, J.C., D.L. Iles, A.K. Petres, 1984, Analysis of Groundwater and Streamflow Data Western Dakotas Region of South Dakota, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Barari, A., 1969, Ground-Water Investigation for the City of Gregory, Special Report 49, SD DENR, SDGS, Vermillion, SD, 57069.
- Water Rights, 1998, Unpublished Observation Well Records for Gregory County, SD DENR, Division of Environmental Services, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
GY-77A



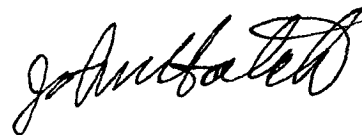
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2404-2, City of Gregory**

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. 2404-2, City of Gregory, c/o Mayor James Scissons, P.O. Box 436, Gregory, SD 57533.

The Chief Engineer is recommending APPROVAL of Application No. 2404-2 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) 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 new well authorized by Permit No. 2404-2 shall be constructed by a licensed well driller and construction 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.

See report on application for additional information.



JOHN HATCH, Chief Engineer
May 14, 1998



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

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

May 15, 1998

City of Gregory
%Al Cerny, Finance Officer
P.O. Box 436
Burke, SD 57533

Dear Mr. Cerny:

Water Permit Application No. 2404-2 for municipal 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 Publisher of the Times-Advocate printed at Gregory, SD (Ph # (605) 835-8089). 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 newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has 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 newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

The City of Gregory submitted an application fee of \$600.00, but the actual fee for the application is \$250.00; therefore, you will be receiving a refund check within a couple of weeks.

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**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

May 15, 1998

Times-Advocate
Box 378
Gregory, SD 57533-0378

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 2404-2 to Appropriate Water to be published twice. Please publish the first notice on May 27, 1998, 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 City of Gregory, %Al Cerny, Finance Officer, P.O. Box 436, Gregory, SD 57533 (Ph # (605) 835-8270).

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.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 2404-2

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

Date _____

We are in receipt of your letter of May 15, 1998, enclosing Notice of Hearing to Appropriate Water by Application No. 2404-2 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on May 27, 1998, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 2404-2 to Appropriate Water and Develop Reserved Water

Notice is given that the City of Gregory, PO Box 436, Burke SD 57533 has filed an application for a water permit to place to beneficial use water reserved by Future Use Permit No. 1622-2 and to appropriate water. The application proposes to place to beneficial use 0.48 cubic feet of water per second (cfs) [213 acre-feet annually] from 8 existing wells (Ogallala Formation) 70 to 100 feet deep located in the N 1/2 SW 1/4 Section 16 and E 1/2 SE 1/4 Section 21; all in T97N-R72W. These wells have been in use for a number of years. This application also proposes to appropriate 0.10 cfs (43 acre-feet annually) from one proposed well (Ogallala Formation) approximately 80 feet deep located in the SE 1/4 SE 1/4 Section 16-T97N-R72W. This new well is not within the future use area authorized by No. 1622-2 and will be a new appropriation of water. The water is for municipal use by the City.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2404-2 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) 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, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by June 15, 1998.

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. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Gregory) SS

I, Sally A. Miller

certify that the attached printed Notice was taken
from the Gregory Times-Advocate

printed and published in Gregory

County of Gregory and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

May 27, 1998

June 3, 1998

Cost of Printing \$43.56

Sally A. Miller
(Signature)

(Title)

6/3/98

(Date Signed)

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. Nettie H. Myers, Secretary, Department of Environment and Natural Resources. (21-22)

NOTICE OF APPLICATION NO. 2404-2 to Appropriate Water and Develop Reserved Water

Notice is given that the City of Gregory, PO Box 436, Gregory SD 57533 has filed an application for a water permit to place to beneficial use water reserved by Future Use Permit No. 1622-2 and to appropriate water. The application proposes to place to beneficial use 0.48 cubic feet of water per second (cfs) [213 acre-feet annually] from 8 existing wells (Ogallala Formation) 70 to 100 feet deep located in the N 1/2 SW 1/4 Section 16 and E 1/2 SE 1/4 Section 21, all in T97N-R72W. These wells have been in use for a number of years. This application also proposes to appropriate 0.10 cfs (43 acre-feet annually) from one proposed well (Ogallala Formation) approximately 80 feet deep located in the SE 1/4 SE 1/4 Section 16-T97N-R72W. This new well is not within the future use area authorized by No. 1622-2 and will be a new appropriation of water. The water is for municipal use by the City.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2404-2 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) 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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PAYMENT REQUEST FORM

PAYEE: City of Gregory
P.O. Box 436
Gregory, SD 57533

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

An application fee of \$600.00 was originally subitted, but only
A \$250.00 fee was due; therefore, the difference needs to be refunded.

AMOUNT: \$350.00

FUNDING SOURCE:

GENERAL: X

FEDERAL:

COMMENTS:

AUTHORIZATION: _____

John H. H. H.

5-15-98

I declare and affirm under the penalties of perjury that this claim is
in all things, true and correct. I further agree to comply with the
provisions of the Civil Rights Act of 1964 and regulations issued
thereunder relating to nondiscrimination in federal assisted programs.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

SEP 4 1998

City of Gregory
%Al Cerny, Finance Officer
P.O. Box 436
Gregory, SD 57533

Dear Mr. Cerny:

Enclosed is Water Permit No. 2404-2 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

PLEASE NOTE: Certain changes may be made to your water permit usually without affecting the priority date. The location of a point of diversion may be changed or additional points of diversion may be approved if the water source remains unchanged; no additional water is appropriated; and, if irrigating, no additional land is irrigated. The change may be allowed without application or publication, if the Water Rights Program is contacted and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

A new water permit application is required to change water sources, increase the permitted diversion rate, or increase the irrigated acreage. If the application is approved, the water permit will receive a new priority date.



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov



2728-2
2404-2

OCT 28 2014

City of Gregory
Al Cerny, Finance Officer
PO Box 436
Gregory SD 57533

Dear Mr. Cerny:

Enclosed are Water Permit and Water License No. 2728-2. The water license is the final document completing the city's process of obtaining a Water Right. Also, included with the license is a map prepared by the staff engineer who conducted the investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right No. 2728-2, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as the city uses the water beneficially, as stated in the Water License, the State Water Laws provide a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

Note: The applicable portions of No. 2404-2 are incorporated into Water License No. 2728-2.