

Considered: _____

WATER PERMIT NO. ~~1088-1~~ 2136-2

Phone: 394-4162

Name of Applicant: City of Rapid City Water Division

Post Office Address: 300 6 th Street, Rapid City, SD 57701

Amount of Water Claimed: 0.784 cfs (82.66 ac-ft) Total Acres: 45 acres

Source of Water Supply: Rapid Creek

Water to be used for: irrigation (municipal park) County: Pennington

About _____ miles _____ at Rapid City

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F.& C/.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received: July 9, 1990 Fee: 150.00 Remarks Water Reserved
by Future Use Permit No. 1088-2

Corrected Application Received August 2, 1990 Period of Annual Use April 1 - Oct. 31

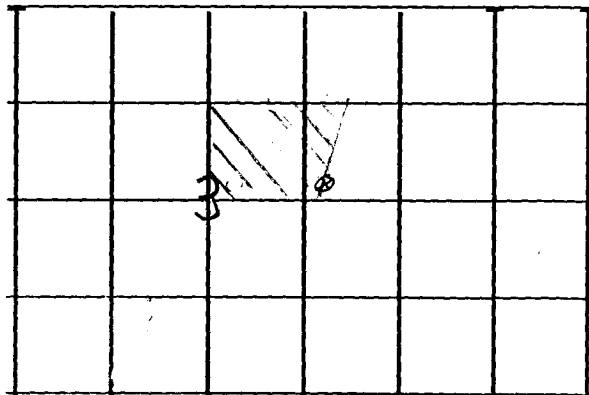
WATER QUALITY APPROVAL RECEIVED _____ APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point: SE1/4 NE1/4 Section 3 T1N-R7E

Land to be Irrigated: S1/2 NE1/4 Section 3

T1N-R7E



Well Log: Driller: N/A Licensed YES _____ NO _____

Depth of Well: _____ REMARKS _____

Type of Map: Plat PREPARED BY: Dan Bjerke Reviewed and the Number

Assigned on August 2, 1990 By Eric Gronlund

(See instructions)

No. 2136-2 Hydrologic Unit 10120110
Basin Upper Cheyenne
Newspaper Rapid City Journal PO Box 450 57709

Application For Soil/Water Compatibility Permit and Permit To Appropriate Water

Type of Application: ☒ New ☐ Vested Right ☐ Amend Permit No. _____
☐ Change Acreage ☐ Change diversion point(s) ☐ Add diversion point(s)
☐ Add Acreage ☐ Increase diversion rate ☐ Other _____

- Name of Applicant City of Rapid City Water Division Phone No. 394-4162
Post Office Address 300 - 6th Street, Rapid City State SD 57701
(Street, RR or Box) (City) (Zip Code)
- Amount of water claimed (c.f.s) 0.784 c.f.s Total acres irrigated 45 acres
(82.66 acre-feet/annually)
- Source of Water supply Unappropriated flows of Rapid Creek (Future Use No. 1088-2)
- Location of point of diversion North 71° 39' West, 1205 feet from East 1/4 Corner
of Section 3, T1N, R7E, BHM (SE 1/4 NE 1/4)
County Pennington
- Counties where water will be used Pennington
- Annual period during which water is to be used April 1st to October 31st
- List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.
SW 1/4 NE 1/4, Sec. 3	35
SE 1/4 NE 1/4, Sec. 3	10
all in T1N, R7E	

Land Description	No. Acres Irr.

Attach sheet if more space is needed

- Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: _____ Gun: _____ Other: Pop-Up
(Specify) System
- Crops to be Irrigated: Medium Value Turf
- Give a description of proposed project. (Attach sheet if more-space is needed)

- Attached Sheet -

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soils information and any other technical information.

STATE OF SOUTH DAKOTA)
County of Pennington)^{ss}

I, KEITH T. CARLILE, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.

Signed _____

Subscribed and sworn to before me this 5th day of July 19 90

Spurgeon H. Gurry
Notary Public



SOUTH DAKOTA
WATER PERMIT No. 2136-2 FOR IRRIGATION

Date of first receipt of application July 9, 1990.
Date Soil/Water Compatibility Permit received August 24, 1990.
Date of return to applicant for corrections, amendments or changes July 19, 1990.
Date of receipt of corrected application August 2, 1990.

The Water Management Board approved Water Permit Application No. 2136-2 on October 3, 1990 for City of Rapid City, 300 Sixth Street, Rapid City, SD 57701 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. 2136-2 is to construct and place to beneficial use 0.784 cubic feet of water per second (82.66 acre-feet annually) from Rapid Creek to irrigate 45 acres commonly known as Sioux Park. The point of diversion is located in the SE1/4 NE1/4 and the irrigated acres are to be located in the S1/2 NE1/4; all in Section 3 T1N-R7E. This water was appropriated and reserved by Future Use Water Permit No. 1088-2.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 - October 31.
3. The date from which applicant may claim right is June 28, 1971.
4. One-fifth of the construction is to be completed on or before April 3, 1993.
5. All construction is to be completed on or before October 3, 1995.
6. Water is to be put to beneficial use on or before October 3, 1999.
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. There are prior water rights downstream on Rapid Creek (irrigation and domestic use, including livestock watering). Natural flows of Rapid Creek as needed for these prior downstream water rights shall be by-passed under this permit. Water Rights, covering storage of water in Deerfield and Pactola Reservoirs, were acquired by the United States (U.S. No. 509-2 and U.S. No. 581-2, respectively). Use of such water by Rapid City is provided by the Deerfield and

(continued)

Pactola contracts with the United States (Bureau of Reclamation). To the extent that water is available under these contracts, it may be used under this Permit to serve, replace or supplement withdrawals from the natural flows of Rapid Creek, or those flows remaining (which may be zero flows) after water is by-passed as needed for the downstream prior water rights.

2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By:



Chief Engineer, Water Rights Division
Department of Water and Natural Resources

MAR 27 1991

(date)

Conversation or File Documentation

NAME OF PERSON OR FILE: City of Rapid City (Roger Krueger)

ADDRESS: _____ COUNTY _____

DATE: 7/19/90 TELEPHONE 394-4162

RE: _____

COMMENTS:

Mr. Krueger returned my phone call in regards to two recent water applications.

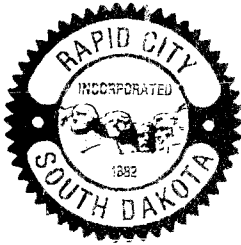
On the application for 12.38 cfs - this is not a change of use. The water is to be taken out of future use permit No. 1088-2. Mr. Krueger is going to get back to me on the volume (acre feet of water) used annually.

On the application for 0.784 cfs to irrigate 45 acres^(park) - this is not unappropriated of Rapid Creek but out of the future use permit No. 1088-2. I checked with chief engineer and this is a municipal use of water but would require soil water permit. Mr. Krueger is going to get back to me on the volume (acre feet of water) used annually.

Called 7/30/90 - Mr. Krueger had not done a work up on water volumes for these two permits application. I discussed with him the mailing deadlines for the notice and how we need a report & recommendation out prior to August 30. He stated he'd get in it this week.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Eric S. Threlkeld



City of Rapid City

RAPID CITY, SOUTH DAKOTA 57701

Office of Water and Wastewater

300 Sixth Street

605-394-4162



July 31, 1990

Mr. Eric Gronlund
Water Rights Division DNWR
Joe Foss Building
Pierre, SD 57501

Dear Mr. Gronlund:

Please find enclosed the following additional information as you required:

1. A purchase order for \$23.00.
2. Irrigation system requirements in acre-feet per year for Sioux Park Irrigation System.
(Included document of system requirements):

26,934,000 gallons/year or
3,600,802 cubic feet/year or
82.66 acre feet/year

If you have any questions or need any additional information, please let me know.

Sincerely,

Rodger Kruger, Water Superintendent
City of Rapid City

cc: Dan Bjerke



EQUAL HOUSING
OPPORTUNITY

EQUAL OPPORTUNITY EMPLOYER

Application for Soil/Water Compatibility and Permit to Appropriate Water

Item Number 10 - Give a description of proposed project.

Construct an irrigation system for an approximate 45 acre site bounded by Canyon Lake Drive on the north, Sheridan Lake Road on the west, and Rapid Creek on the east and south. This area is currently served by a partial system that is incomplete and labor intensive.

The above site is a portion of land included in the plat of Rapid City Greenway Tracts. This land is owned by the City of Rapid City is a portion of Tract 10A in Rapid Creek Park (sometimes called Sioux Park) located in Section 3, T1N, R7E, BHM, Rapid City, Pennington County, South Dakota. Several 20 feet wide easements for underground power lines penetrate the site.

The project site is a city park, used primarily for recreational activities, including soccer fields, football field, picnic areas, horseshoe, tennis courts, swimming pool, formal gardens, and playground. Topography is average 0-4% slope. Crop would be medium value turf.

The following soil evaluation was done by TSP Two, Inc.:

In comparison to most soils found in Western South Dakota, the dominate soils located at Sioux Park are of high quality loam. The soils on this site have a good soil reservoir capacity and infiltration rate that establish good conditions for irrigation and turf performance.

Soil Type.	Alluvium Loam
65%	Columbo Loam
20%	Urban Land Complex
15%	Winetti Cobble

Soil Texture Type.	Loam
40%	Sand
40%	Silt
20%	Clay

Average Infiltration Rate. .	0.54 inches/hour
Available Water Capacity . .	1.92 inches/hour
Root Depth	5 inches
Soil Reservoir Capacity. . . .	0.80 inches
Allowable Depletion.	50% or 0.40 inches

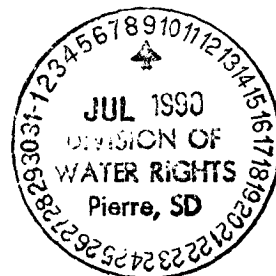
Please find enclosed two water sample analysis, dated 1975 and 1988. If these are not adequate to determine water quality, let me know.

Signed:

Rodger Kruger

Date:

June 21, 1990



Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation

Office Use Only

4529

WR#

CITY OF RAPID CITY

OWNERS NAME: WATER DIVISION

OWNERS ADDRESS: 300 - 6th STREET

RAPID CITY, SD 57701

COUNTY LAND LOCATED IN: PENNINGTON PHONE: 394-4162

LEGAL DESCRIPTION:

☐ Well

☒ Surface

1. LOCATION Sec. 3-T1N-R7E (BHM)

Depth _____

Legal Description	Acres	Legal Description	Acres
<u>SW 1/4 NE 1/4 3-T1N-R7E</u>	<u>35</u>		
<u>SE 1/4 NE 1/4 3-T1N-R7E</u>	<u>10</u>		

2. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: _____ GUN: _____ OTHER: Pop-Up
(Specify) Spacer

3. CROPS TO BE IRRIGATED: Medium Value Turf

WATER QUALITY:

4. WATER SAMPLE NUMBER: 753058

7. ADJUSTED (SAR): 0.20

5. SALINITY (EC X 10⁶): 390

8. PERCENT SODIUM: 4.6

6. SODIUM (SAR): 0.096

Requirements:

A buffer strip along Rapid Creek be maintained and not irrigated to address potential stream bank erosion.

received
August 24, 1990
ELW

Director, Division of Conservation

August 3, 1990
Date

APPROVED

DISAPPROVED

WAIVER

REQUIREMENTS

Soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

412338

Pierre, _____ August 9, 19 90

RECEIVED OF City of Rapid City, 300 6th Street, Rapid City, SD 57709

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

Fee for Application for Permit No. <u>2136-2</u> to Appropriate Water, to construct works and to put water to beneficial use _____	150	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 Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	150 00

By John H. Hetcher
Chief Engineer

V. SYSTEM OPERATING REQUIREMENTS & SCHEDULES

A. Irrigation Operating Schedule:

	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>
Adjusted ET Rate (inch/day)	.05	.10	.13	.20	.18	.10	.05
Irrig. Frequency (days)	8	4	3	2	2	4	8
Water Requirement (inches)	.40	.40	.40	.40	.40	.40	.40
Precipitation Rate (inch/hour)	.40	.40	.40	.40	.40	.40	.40
Station Operating Time (minutes)	60	60	60	60	60	60	60
Moisture Application (inch/week)	.35	.70	.91	1.4	1.4	.70	.35
Starting Time	10pm	10pm	10pm	10pm	10pm	10pm	10pm

Controller Operating Day:
(day #)

	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>
Area A/Red	1/9	1/5	1/4	1/3	1/3	1/5	1/9
Area B/Blue	2/10	2/6	2/5	2/4	2/4	2/6	2/10
Area C/Yellow	3/11	3/7	1/4	1/3	1/3	3/7	3/11
Area D/Green	4/12	4/8	2/5	2/4	2/4	4/8	4/12

B. Estimated Water Consumption:

Total Number of Zones.....81 zones
 Total Number of Heads.....639 heads
 Average Sprinkler Discharge.....11 gpm
 Maximum System Discharge.....352 gpm
 Total Gallons of Water per Cycle..421,740 gallons/cycle

	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>
Water Consumption per Day (1000 gal)	106	106	211	211	211	106	106
Water Consumption per Week (1000 gal)	369	738	983	1476	1476	738	369
Water Consumption per Month (1000 gal)	1582	3268	4217	6537	6537	3163	1630

Estimated Maximum Water Consumption per Year.....26,934,000 gallons/year or
 3,600,802 cubic feet/year

C. Required Operating Pressure:

Elevation Change Loss.....	7.8 psi
Control Valve Loss.....	7.0 psi
Mainline Loss.....	10.5 psi
Circuit Line Loss.....	7.5 psi
Miscellaneous Loss.....	7.2 psi
Required Sprinkler Pressure.....	60.0 psi

Total Required Pressure.....	100 psi

D. Irrigation System Requirements:

Maximum System Discharge.....	352 gpm
Required Pressure at Well.....	100 psi
Max. Water Consumption per Day.....	211,000 gallons
Max. Water Consumption per Week.....	1,476,000 gallons
Max. Water Consumption per Year.....	26,934,000 gallons
Total Operating Time per Day.....	12 hours

Travis Laboratories

COAL — ORES — ENVIRONMENTAL WATERS — FEEDS — SOILS

1854 Lombardy Dr.
Rapid City, South Dakota 57701

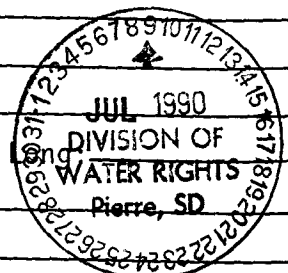
JAMES H. TRAVIS
Laboratory Director

Water Supply: Rapid City
City, County: RC Pen
Source Sampled: Well# WTP Depth _____
Date drilled _____ Other _____
Type of Sample: Raw X Treated _____ Composite _____
Treatment Process(s): none

Date Collected: June 21-88
Collected By: Gary Stephenson
Report Mailed To: _____

Received By Lab: 6-21-88
Report Sent By Lab: 7-15-88 JA

Lat: _____
Comments: _____



Parameter	Maximum Limit	Results	Parameter	Suggested Limit	Results
Arsenic (As)	50 ug/l		Chloride (Cl)	250 mg/l	1
Barium (Ba)	1000 ug/l		Iron (Fe)	0.3 mg/l	<0.05
Cadmium (Cd)	10 ug/l		Manganese (Mn)	0.05 mg/l	<0.03
Chromium (Cr)	50 ug/l		Sulfate (SO ₄)	250 mg/l	39
Lead (Pb)	50 ug/l		Tot. Diss. Solids (TDS)	500 mg/l	202
Mercury (Hg)	2 ug/l		pH	6.5-8.5	8.48
Nitrate (NO ₃) (as N)	10 mg/l	<.10	Alkalinity-M (CaCO ₃)	mg/l	170
Selenium (Se)	10 ug/l		Alkalinity-P (CaCO ₃)	mg/l	
Silver (Ag)	50 ug/l		Bicarbonate (HCO ₃)	mg/l	207
Fluoride (F)	2.4 mg/l	0.22	Carbonate (CO ₃)	mg/l	
Gross alpha	15 pCi/l		Spec. Cond. @ °C	umhos/cm	390
Gross radium	pCi/l		Calcium (Ca)	mg/l	37
Radium 226	5 pCi/l		Magnesium (Mg)	mg/l	82
OTHER PARAMETERS			Hardness (CaCO ₃) gpg:	11 mg/l	184
			Langelier Index		0.50
			Sodium (Na)	mg/l	3
			Potassium (K)	mg/l	4
			Field temperature	°F	°C
			Nitrite (NO ₂) (as N)	mg/l	
LAB COMMENTS:			mg/l = milligrams/liter = parts/million (ppm)		
			ug/l = micrograms/liter = parts/billion (ppb)		
			gpg = grains per gallon		
			pCi/l = picocuries per liter		
Percentage of Error:			LAB NUMBER: <u>D640</u>		
WNR - 606R - 6/82					

SOUTH DAKOTA STATE DEPARTMENT OF HEALTH
 Division of Sanitary Engineering
 Pierre, South Dakota

CHEMICAL WATER ANALYSIS REPORT



City or Town Rapid City, South Dakota 57701 Date Received 10-24-75
 Sample Collector's Name Rodger Kruger Lab. Number 753058
 Date Collected 10-20-75 Date Reported
 Results Reported To:

Arthur P. LaCaille, Mayor
City of Rapid City
Rapid City, South Dakota 57701

Copies To:
W. D. Richmond, MFO
Don Wessel, Water Supt.
File No. 5.2

FIELD DATA

Name of Public Water Supply Rapid City Water Dept.
 Well Source Sampled: Name Depth Diameter Date Built
 Other Source Sampled: Name Rapid Creek Date Built
 Legal Description of Source Site
 Raw or Treated Sample Raw Treatment Processes
 Additional Information, Remarks
 Source (pumped hours) (flows) at gallons per minute
 Field Tests: Temperature °C Iron pH
 Turbidity Alkalinity, P. M. Hardness

LABORATORY ANALYSIS RESULTS

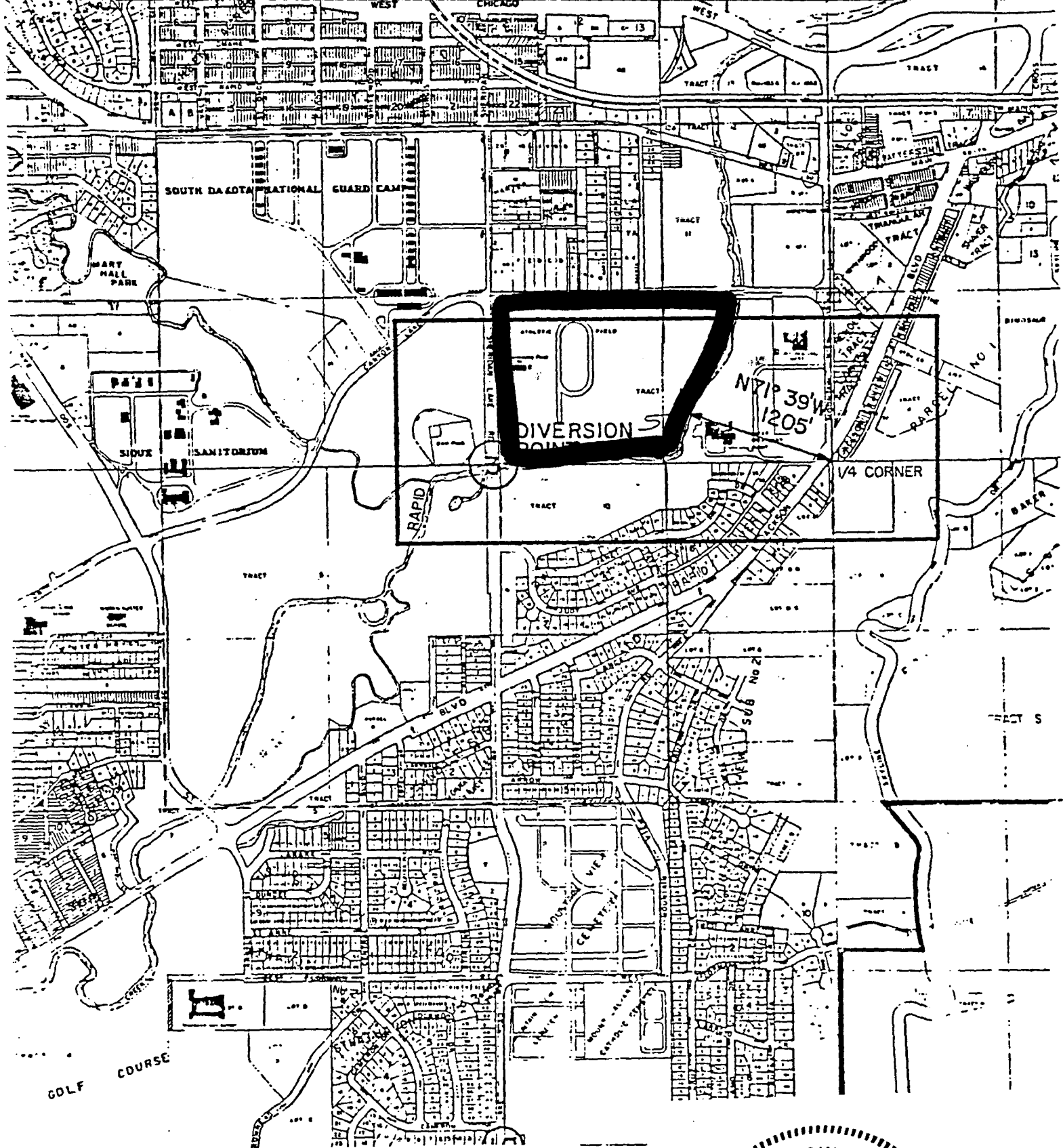
(Results in parts per million unless otherwise stated)

Specific Conductance at 21 °C 340 micromhos per centimeter
 Total Solids 237 Dissolved Solids Iron as Fe 0.02
 Alkalinity as CaCO₃ P. 0 T or M 153 pH 8.39

Sodium as Na <u>4.2</u>	Nitrate as N <u><1</u>
Potassium as K <u>2.6</u>	Fluoride as F <u>0.30</u>
Calcium as Ca <u>47.0</u>	Chloride as Cl <u>2.6</u>
Magnesium as Mg <u>20.7</u>	Sulfate as SO ₄ <u>43.2</u>
Manganese as Mn <u><0.02</u>	Bicarbonate as HCO ₃ <u>187</u>
Turbidity = <u>0.43</u> NTU	L.I. @ 50° = <u>+ 0.46</u>

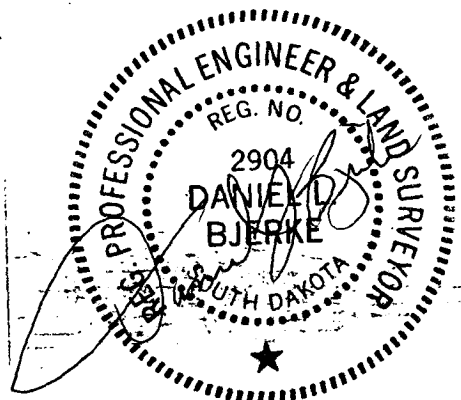
Calculated Hardness as CaCO₃ 203 ppm 11.9 gpg

Analyst Reported by



SECTION 3, T1N, R7E, BHM ---
PENNINGTON COUNTY, SOUTH DAKOTA

2136-2
Appl. No. ~~1497~~ +



Report on
Water Permit Application No. 2136-2
City of Rapid City
August 6, 1990

Water permit application No. 2136-2, City of Rapid City, proposes to appropriate 0.784 cubic feet of water per second (cfs), 82.66 acre-feet annually, from Rapid Creek. This water has already been reserved under Future Use Permit No. 1088-2, with a priority date of June 28, 1971. The application proposes to divert water from Rapid Creek at a point in the SE1/4 NE1/4 and irrigate 45 acres in the S1/2 NE1/4 all in Section 3-T1N-R7E.

Water Source

Water for the proposed diversion is to be from Rapid Creek (Deerfield and Pactola Reservoirs). Rapid City holds Future Use Permit No. 1088-2 for 40 cfs from Rapid Creek of which 27.3 cfs remain. The use of such water by Rapid City is provided by the Deerfield and Pactola Contracts with the United States Bureau of Reclamation.

Review of Water Rights

Rapid Creek is heavily appropriated. There are 39 downstream water rights on Rapid Creek to the Cheyenne River with approximately 210 cfs appropriated. Of these, 24 water rights appropriate approximately 144 cfs having priority dates that are senior to this proposed project. In normal years this proposed project will need to rely on the Deerfield and Pactola Contracts for a constant supply of water.

Conclusions

1. Water for this proposed project is available from Rapid Creek through the Deerfield and Pactola Contracts with the U.S. Bureau of Reclamation.
2. Existing senior water rights should not be adversely affected.
3. The priority date for this proposed diversion would be June 28, 1971, as set by future use permit 1088-2.

4. If this permit application and Application No. 2138-2 are approved, the qualification listed on Future Use Permit No. 1088-2 should be included on Water Permit No. 2136-2.
5. If this permit is approved the appropriation will require the Rapid Creek Qualification.



MARK D. RATH
Natural Resources Engineer II

Approved by:



DELVIN D. BROSZ
Natural Resources Engineer IV

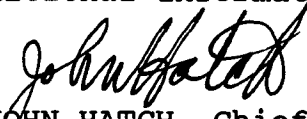
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2136-2, City of Rapid City

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 2136-2, City of Rapid City, 300 6th Street, Rapid City SD.

The Chief Engineer is recommending APPROVAL of Application No. 2136-2 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) in the public interest with the following qualifications:

1. There are prior water rights downstream on Rapid Creek (irrigation and domestic use, including livestock watering). Natural flows of Rapid Creek as needed for these prior downstream water rights shall be by-passed under this permit. Water Rights, covering storage of water in Deerfield and Pactola Reservoirs, were acquired by the United States (U.S. No. 509-2 and U.S. No. 581-2 respectively). Use of such water by Rapid City is provided by the Deerfield and Pactola contracts with the United States (Bureau of Reclamation). To the extent that water is available under these contracts, it may be used under this Permit to serve, replace or supplement withdrawals from the natural flows of Rapid Creek, or those flows remaining (which may be zero flows) after water is by-passed as needed for the downstream prior water rights.
2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.


JOHN HATCH, Chief Engineer
August 22, 1990



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

August 24, 1990

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

Keith Carlyle, Mayor
City of Rapid City
300 Sixth Street
Rapid City SD 57701

Dear Mr. Carlyle:

Water Permit Application No. 2136-2 for irrigation 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 Journal printed at Rapid City SD. For your information, a copy of the notice is enclosed. Copies of the report and the Chief Engineer's recommendation are also 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 Intent to Appropriate Water 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. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Sincerely,

A handwritten signature in cursive script that reads "Eric Gronlund".

Eric Gronlund
Natural Resources Engineer
605 773-3352

cc: Dan Bjerke

enclosures

NOTE: This recommendation was prepared prior to receiving formal approval of a Soil-Water Compatibility Permit (SWCP). To avoid delaying Water Permit Application No. 2136-2 until the December Water Management Board Meeting, the Department of Agriculture has advised the Department that it is recommending approval of the required SWCP pursuant to SDCL 46-5-6.5. However, until the approval is reviewed by the Conservation Commission at its regular meeting (the Commission's policy is to review all Department disapprovals or approvals of SWCP pursuant to SDCL 46-5-6.6) the Soil-Water Compatibility Permit will not be issued. If the Conservation Commission does not concur with the Department's approval, Application No. 2136-2 will be deleted from the October agenda.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

August 24, 1990

Rapid City Journal
Box 450
Rapid City SD 57709

ATTN: Legal Publications:

Enclosed is a Notice of Hearing on Application No. 2136-2 to be published twice. Please publish the first notice on or before September 6, 1990 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 the City of Rapid City, 300 Sixth Street, Rapid City SD 57701.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. The permit application cannot be considered by the Water Management Board until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

CUT HERE

FIRST TRANSMITTAL NOTICE

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

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to
Appropriate Water by Application No. _____ 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 or before September 6, 1990 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 2136-2 to Appropriate Water

Notice is given that the City of Rapid City, 300 Sixth Street, Rapid City SD 57701 has filed an application for a water permit to construct and place to beneficial use 0.784 cubic feet of water per second (82.66 acre-feet annually) from Rapid Creek to irrigate 45 acres commonly known as Sioux Park. The point of diversion is located in the SE1/4 NE1/4 and the irrigated acres are to be located in the S1/2 NE1/4; all in Section 3 T1N-R7E. This water was appropriated and reserved by Future Use Permit No. 1088-2.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 2136-2 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. This application will be considered by the Water Management Board in the Community Room, Brule Co. Courthouse, 300 S. Courtland, Chamberlain, SD on October 3, 1990 at 10:00 am. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by September 21, 1990. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by September 21, 1990.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; 74:02:01:24 thru 74:02:01:25.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
 County _____)



I, Mary K. Garness

certify that the attached printed Notice was taken
 from the Rapid City Journal

A newspaper which during the whole time of publication of
 said notice herein after stated, has been and is printed and
 published in the _____

City of Rapid City

County of Pennington and State of South Dakota;
 that the said notice was published in said newspaper on the
 following two dates:

September 5, 1990

September 12, 1990

Mary K. Garness
 (Signature)

Bookkeeper

(Title)

September 12, 1990

(Date Signed)

Cost of Printing: Ran 8 7/16 inches legal advertising

in the Rapid City Journal on September 5 and 12

@ \$4.20 per inch = \$70.88

Ran public notice of hearing L101

Sept. 5, 12 L101

NOTICE OF HEARING ON APPLICATION NO. 2136-2 TO APPROPRIATE WATER

Notice is given that the City of Rapid City, 300 6th St., Rapid City, S.D. 57701 has filed an application for a water permit to construct and place to beneficial use 0.784 cubic feet of water per second (82.66 acre-feet annually) from Rapid Creek to irrigate 45 acres common known as Sioux Park. The point of diversion is to be located in the SE 1/4 NE 1/4 and the irrigated acres are to be located in the SW 1/4 NE 1/4, all in Section 3, T1N-R7E. The water was appropriated and reserved by Future Use Permit No. 1088-2.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 2136-2 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. This application will be considered by the Water Management Board in the Community Room, Brule Co. Courthouse, 300 S. Courtland, Chamberlain, S.D., on October 3, 1990 at 10:00 a.m. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by September 21, 1990. The Chief Engineer's address is "Water Rights Division, Foss Building, 323 E. Capitol, Pierre, S.D. 57501 (605-773-3352)." 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

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This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-5-38 thru 46-5-40; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; 74:02:01:24 thru 74:02:01:25.



GREAT FACES. GREAT PLACES.

MAR 27 1991

DEPARTMENT OF WATER & NATURAL RESOURCES

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Keith T. Carlyle, Mayor
City of Rapid City
300 Sixth Street
Rapid City, South Dakota 57701

Dear Mr. Carlyle:

Enclosed is Water Permit No. 2136-2 as approved by the Water Management Board authorizing you to construct your water diversion system and put the water to beneficial use, 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 Division
605 773-3352

enclosures

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 5, 1998

Daniel L Bjerke
City of Rapid City
300 6th St
Rapid City SD 57701-2724

Dear Mr. Bjerke:

The investigation of the City of Rapid City's water use systems was conducted on September 9, 1998, by Mark Rath, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under each permit. The final water right documents, the Water Licenses, can now be issued. Below is a list of the permits that were investigated.

Permit No.	amount	source	
2136-2	0.78 cfs	Rapid Creek	Sioux Park
2138-2	12.38 cfs	Rapid Creek	Water Treatment Plant
* 2274-2	0.78 cfs	Rapid Creek	Water Treatment Plant
2156-2	1.11 cfs	Madison Formation	SW ¼ SE ¼ Sec 16-T1N-R7E
transfer the use of a portion of Rapid Creek flows			formerly known as
2142-2	0.62 cfs	Murphy Ditch	Tyler property
2199-2	0.05 cfs	Murphy Ditch	Pelle property
2201-2	0.13 cfs	Murphy Ditch	Long property
2217-2	0.33 cfs	South Side Ditch	Keller property
2218-2	2.16 cfs	South Side Ditch	Stromer property
2234-2	0.79 cfs	South Side Ditch	Eisenbraun property
2249-2	1.19 cfs	South Side Ditch	Weber property
2296-2	2.85 cfs	South Side Ditch	Jundt property
2316-2	0.81 cfs	Murphy Ditch	Morris property
2317-2	0.84 cfs	Hawthorne Ditch	Morris property
2360-2	0.37 cfs	South Side Ditch	Soetaert property
2397-2	0.59 cfs	South Side Ditch	Eisenbraun property
2399-2	0.75 cfs	Murphy & Little Giant Ditch	Wileman property

* license fee already submitted

Statutes require that we charge \$50.00 fee for the investigation and issuance of the each Water License. Upon receipt of the \$800.00 fee (16 permits x \$50) we will process the Water Licenses.

Please sent fee to: Dept. of Environment & Natural Resources, Water Rights Program, 523 E. Capitol, Pierre, SD 57501-3181. If you have questions, please contact us.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

№ 415951

Pierre, December 9, 19 98

RECEIVED OF City of Rapid City, 300 6th St., Rapid City, SD 57701-2724
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct
and to put water to beneficial use _____

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. 2136-2

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

50 00

By _____
Chief Engineer

John Hatch

Permit No. 2136-2

Upper Cheynne River - Water District

Report Of Examination Of Works

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

On, September 9, 1998, I made a thorough examination of the water use system constructed by the City of Rapid City of 300 6th St, Rapid City SD holder of Permit No. 2136-2, bearing the priority of June 28, 1971 authorizing the diversion of 0.784 cu. ft. per second of the waters of surface water (Rapid Creek) for irrigation purposes, in Pennington County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

Two Syncroflo pumps

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

PVC pipe

C. Works used to apply water to beneficial use:

Popup sprinklers

The system is in the following condition good. The point of diversion is located from the NE corner of Sec 3 T1N-R7E: 1200 ft W and 2310 ft S. The works are capable of diverting and conveying to the place of use 0.78 cu. ft. per second of water which is to be used for irrigation purpose. Water has been put to beneficial use to the maximum extent as follows:

SE ¼ NE ¼ 10 ac

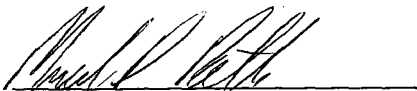
SW ¼ NE ¼ 35 ac

All in Section 3 T1N-R7E

comprising a total of 45 acres of land and the license should be issued for 0.78 cfs.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none



Mark D. Rath

Natural Resources Engineer

DENR, Water Rights Program

10/9/1998

Date

REPORT ON INSPECTION OF PERMIT NO. 2136-2

DATE OF INSPECTION: 9/9/1998

Contact Person & Address: John Wagner, 300 6th St, Rapid City SD

DIVERSION POINT LEGAL LOCATION: from the NE corner of Sec 3 T1N-R7E:
1200 ft W & 2310 ft S

WATER SUPPLY Source: surface water, Rapid Creek

Pump\ Motor:

- | | |
|-------------------------------|-----------------------------------|
| 1) Pump Make <u>Syncroflo</u> | 2) Pump Model <u>3L-30</u> |
| 3) Capacity <u>350</u> GPM | 4) Motor Make <u>Unimont</u> |
| 5) Motor Model No. <u>125</u> | 6) Horsepower rating <u>30</u> hp |

Pump\ Motor:

- | | |
|-------------------------------|-----------------------------------|
| 1) Pump Make <u>Syncroflo</u> | 2) Pump Model <u>3F-15</u> |
| 3) Capacity <u>125</u> GPM | 4) Motor Make <u>Unimont</u> |
| 5) Motor Model No. <u>125</u> | 6) Horsepower rating <u>15</u> hp |

DISTRIBUTION LINES OR CANALS:

- 1) Type PVC

SYSTEM TYPE:

Popup sprinklers

CHEMIGATION:

- 1) Does chemigate no

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Special qualifications to permit being abided by yes
- 2) All structures, wells and lands on map yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period yes

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2136-2

(1) The City of Rapid City, 300 6th St, Rapid City SD 57701 made Application No. 2136-2, July 9, 1990 for a water permit to divert 0.784 cubic feet of water per second (82.66 acre-feet annually) from Rapid Creek, Pennington County, South Dakota for irrigation purposes. Permit No. 2136-2, with a priority date of June 28, 1971 (established by Future Use Permit No. 1088-2) was approved October 3, 1990 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before October 3, 1995 and for the application to beneficial use of said water on or before October 3, 1999.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.78 cubic feet of water per second for beneficial use. The location of the diversion point is 1,200 feet west and 2,310 feet south of the northeast corner of Section 3-T1N-R7E (SE ¼ NE ¼).

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land commonly known as **Sioux Park**:

Section 3-T1N-R7E	SE ¼ NE ¼	10 acres
	SW ¼ NE ¼	35 acres
total		45 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of Rapid City, 300 6th St, Rapid City SD 57701 the holder and/or owner of Water Right No. 2136-2 is issued a license to appropriate water, the right to use 0.78 cubic feet of water per second (82.66 acre-feet annually) from Rapid Creek with a priority date of June 28, 1971 (established by Future Use Permit No. 1088-2) from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Right No. 2136-2 and subject to South Dakota State Law.

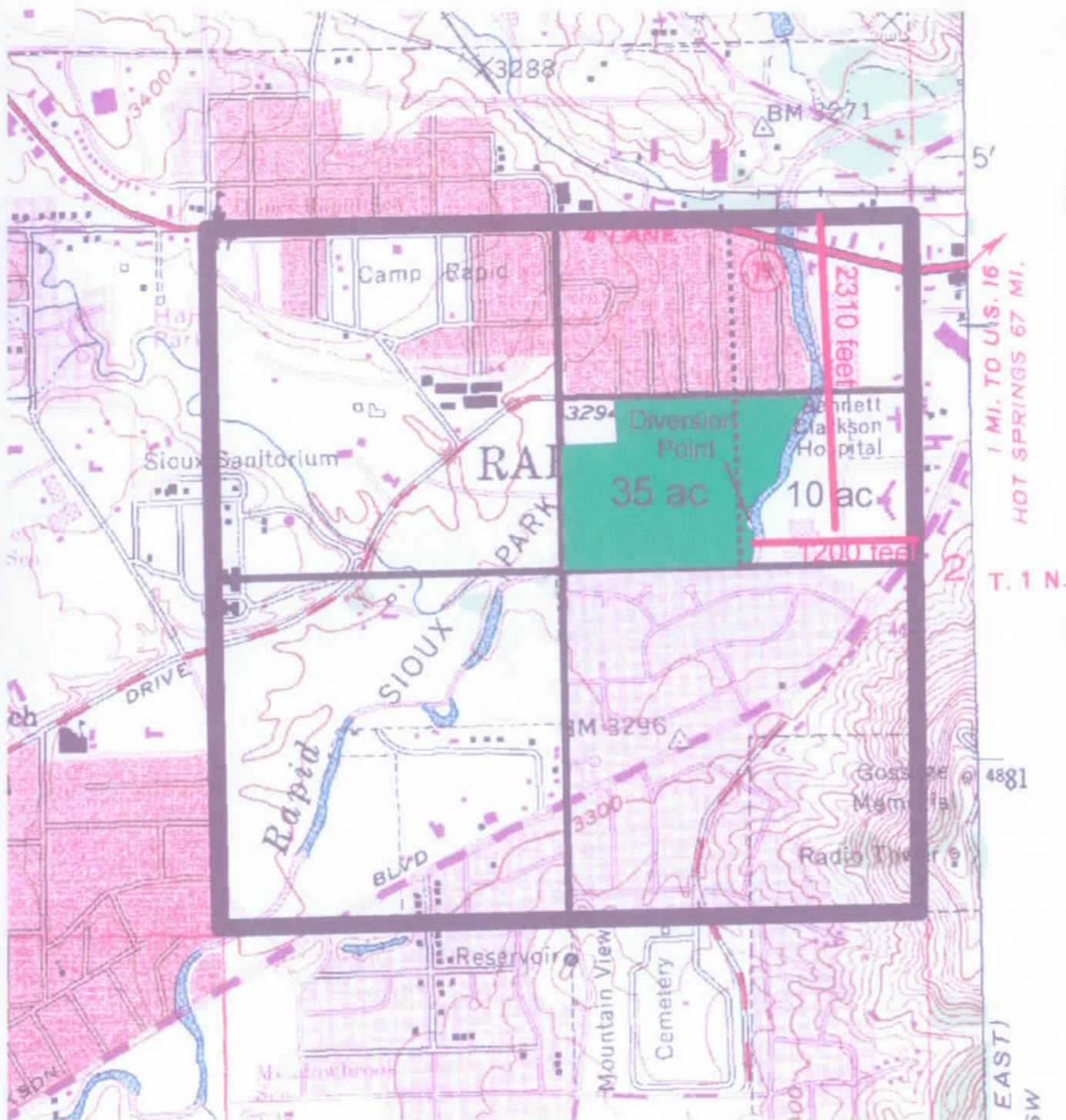


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JAN 15 1999

date





Section 3 T1N-R7E

Mark D Rath 10/9/98

Mark D Rath
Natural Resources Engineer

No **2136-2**



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JAN 15 1999

Daniel L Bjerke
City of Rapid City
300 6th St
Rapid City SD 57701-2724

Dear Mr. Bjerke:

Enclosed are the Water Licenses and receipts for the investigation and issuance of the water licenses. These water licenses are the final document which complete the process of obtaining a water right.

As long as the City of Rapid City uses the water beneficially, as stated in the water licenses, State Water Law provides that the City has a continuing right to use the water.

Very truly yours,

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

ks

enclosures