

Considered: _____

WATER PERMIT NO. 1953-2

MAP No. Same

Name of Applicant Dept of Military & Veterans Affairs

Post Office Address 2823 West Main St. Rapid City

Amount of Water Claimed 0.17 cfs Total Acres 13

Source of Water Supply well (Minnelusa formation)

Water to be used for IRR County Pennington

About _____ miles _____ of _____.

PROOF OF PUBLICATION: Received 1st 1-30-86 Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received 12-19-85 Fee N.A. Remarks _____

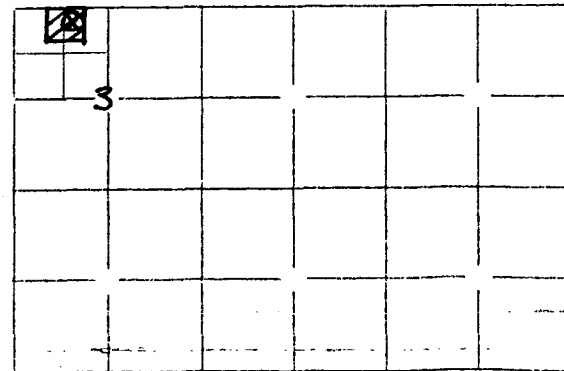
Corrected Application Received _____ Period of Annual Use June 1 to Sept 30

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

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

Diversion Point NE4 NW4 sec. 3 T1N-R7E

Land to be Irrigated NW4 sec. 3 T1N-R7E



Well Log: Driller _____ Licensed YES _____ NO _____

Depth of Well est 600-700 ft REMARKS Geologic cross section submitted with app.

Type of Map Topo PREPARED BY Steven Quissell Reviewed and the Number assigned on 12-19-85 By K.C. Jarson

No. 1953-2 Hydrologic Unit 10120110
 Map No. Same Basin Upper Cheyenne
 Newspaper Rapid City Journal, Box 450

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

Type of Application: Check one or more of the following;

New ☒ Vested Right ☐ Future Use ☐

☐ Application to amend Permit No. _____ with old priority date retained

☐ Change diversion point(s) ☐ Add diversion point(s) ☐ Change acreage ☐ Other ☐

☐ Application to: ☐ Change use ☐ Change diversion point(s) ☐ Add diversion point(s)

☐ Add Acreage ☐ Increase diversion rate ☐ Other _____ See Permit No. _____

☐ Application to: ☐ Use ☐ Transfer water reserved by Future Use Permit No. _____

1. Name of Applicant Dept. of Military & Veterans Affairs Phone No. 394-6670

Post Office Address 2823 West Main St., Rapid City State South Dakota 57702
(Street, RR or Box) Zip Code

2. Amount of water claimed (c.f.s) 75 GPM 0.17 cfs Total acres irrigated 13

3. Source of Water supply Minnelusa Aquifer

4. Location of point of diversion The well will be located on Camp Rapid in the vicinity
of building B-17 (see attachment 1) Camp Rapid Well #1 1,820 Ft. east and
450 Ft. south of NW corner of S 3, T 1 N, R 7 E. County Pennington

5. Counties where water will be used Pennington

6. Annual period during which water is to be used June through September

7. 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.
NW Sec 3 Twp 1 N Rg 7 E	13
of Black Hills Meridian	

Land Description	No. Acres Irr.

Attach sheet if more space is needed

8. Give a brief description of proposed 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)

The need for the well is to support a sprinkler system for the parade field on Camp Rapid. (Plan attached)

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

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

I, Jerry F Hoenke the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed

Subscribed and sworn to before me this 18 day of December 19 85

My commission expires Mar 24, 1986

Ran C Vogel
 Notary Public (or other qualified officer)

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1953-2
Dept. of Military & Veteran Affairs 2823 West Main St., Rapid City
(Applicant) (Post Office Address)
SD 57702 With the following qualifications.
(State) (Zip Code)

See Attachment

Date of first receipt of application December 19, 1985.

Date of return to applicant for correction, amendments or changes required _____, 19____.

Date of receipt of corrected application _____, 19____. Approved March 5, 1986.

The Water Management Board hereby approves this Water Permit No. 1953-2 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is December 19, 1985.
2. One-fifth of the work is to be completed on or before August 5, 1988.
3. The whole of said work is to be completed on or before March 5, 1991.
4. The time limit for proof of beneficial use of water is March 5, 1995.
5. The water appropriated shall be used for the purpose of irrigation.
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed .17 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served. For irrigation purposes said appropriation must be limited to not more than 2 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before March 5, 1995; said water to be used during the following described annual period: June 1 - Sept. 30.

WATER MANAGEMENT BOARD

By: John H. Hales

Chief Engineer

Division of Water Rights

Dept. of Water and Natural Resources

APR 21 1986

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 10" Depth 600' - 700'
- b) Casing Type Schedule 40 Black ^{Iron Pipe} Diameter 8" Thickness _____
- c) Screen Type Unknown Diameter 8" Thickness _____
- d) Gravel Pack Thickness See Attachment II Length of Gravel Pack See Attachment II
- e) Depth to Top of Water Bearing Material See Attachment II
- f) Depth of Water (ground surface to water level) See Attachment II
- g) Distance to nearest existing domestic well:
 On applicants property _____ On property owned by others X

2. Dugout Information Estimates

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

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should 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) Outlet Dimensions:
 Pipe diameter _____

Spillway width _____

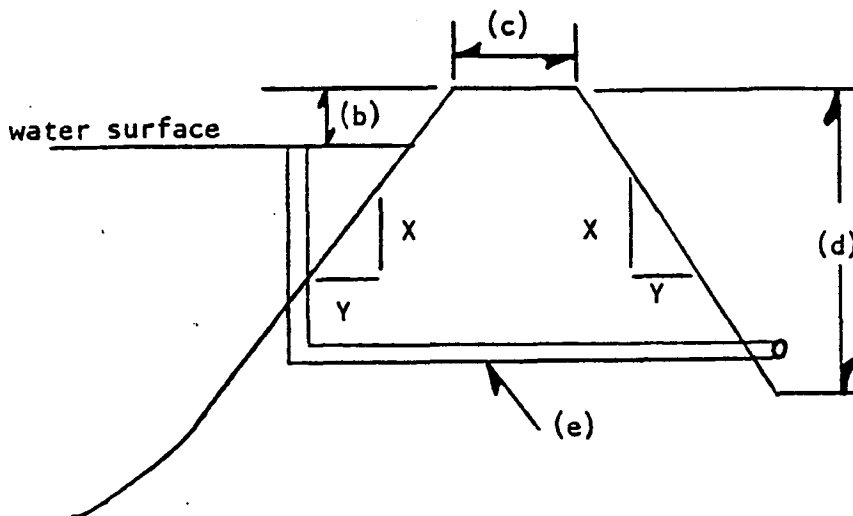
f) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant _____

ATTACHMENT

1. The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface in compliance with Water Management Board well construction rules, Chapter 74:02:04.
2. The well approved under this Permit shall be valved and the flow reduced to the amount need or to a minimum when not being used. The well shall also be equipped with a pressure guage and a record kept of any pressure fluctuations. Such records shall be available to the Board, upon request.
3. The well 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.
4. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

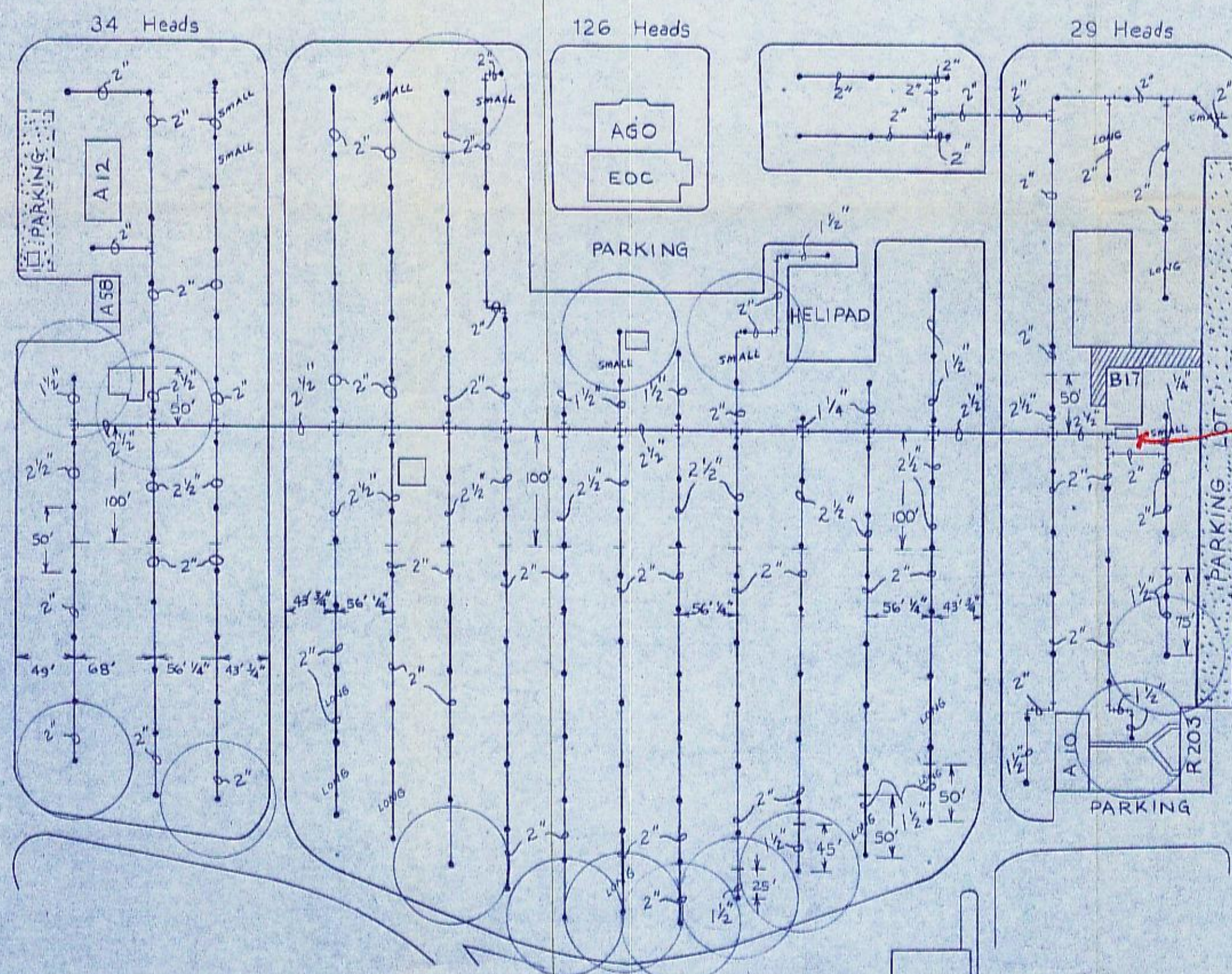
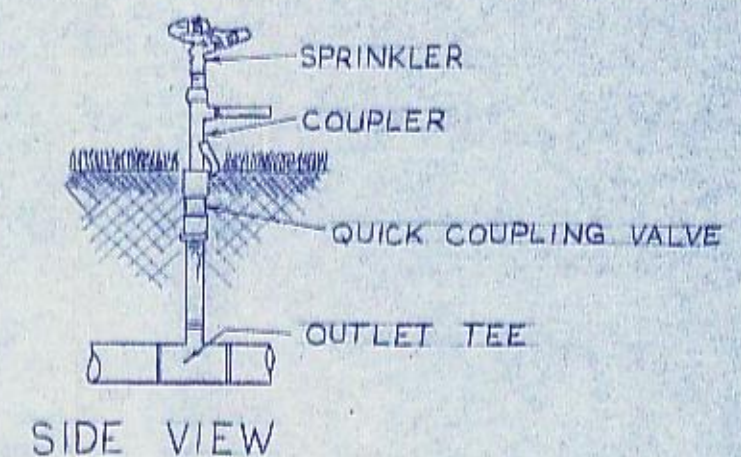
NO. REQD	MAX. GPM	PSI	RADIUS COVERAGE	DESCRIPTION
189	75	55	50 FT.	RAINBIRD MODELS 30H AND 35 TNT

IRRIGATION SPRINKLER SYSTEM PLAN

— NEW SPRINKLER HEAD

SCALE 1" = 100'

TYPICAL INSTALLATION OF QUICK-COUPLING VALVE



SCALE 1" = 100'

30 H SERIES
IMPACT SPRINKLERS
100' DIAMETER
55 PSI
7.31 GPM

35-TNT SERIES
FULL or PART CIRCLE
IMPACT SPRINKLERS
100' DIA.
55 PSI
7.5 GPM

IRRIGATION SYSTEM PLAN

CAMP RAPID RAPID CITY

DRAWN
KONECHNE

DATE
8 16 85

DESIGN
KONECHNE

PAGE
1 OF 1

1953-2

Table 1.—Bedrock formations and aquifers (modified from Robinson, and others, 1964, p. 6-7; Cattermole, 1969 and 1972; Staats, 1983, p. 6; and Peterson, 1984, table 1) and Lisensky, 1985)

Era	System	Series	Geologic unit	Thickness (feet)	Hydrologic unit (model unit)	Description	
Mesozoic	Cenozoic	Tertiary	Oligocene Pliocene White River Formation Intrusive rocks	0-150	White River aquifer	Sandstone, claystone, and siltstone. Gray and brown. Occurs in isolated outcrops. Alkaline igneous	
	Cretaceous	Upper	Pierre Shale	1,200-1,400	Confining beds	Shale, sandstone, marl, limestone, and bentonite. Gray and black in color.	
			Niobrara Formation	120-225			
			Carlisle Shale	600-800			
			Greenhorn Formation	70-370			
			Belle Fourche Shale	350-850			
			Mowry Shale	180-230			
		Lower	Newcastle Sandstone	0-95	Newcastle aquifer ^{1/}	Sandstone, siltstone, shale, and claystone. The lateral equivalent of the Dakota Sandstone, a major aquifer in eastern South Dakota (Schoon, 1971), the Newcastle is too thin and fine-grained in this area to be a major aquifer.	
			Skull Creek Shale	110-321	Confining bed	Shale; black or dark gray in color.	
			Inyan Kara Group	Fall River Formation or Sandstone	10-200	Inyan Kara aquifer (Layer 1)	Sandstone, conglomeratic sandstone, shale, siltstone, and claystone. Coal beds near base locally. Gray, brown, yellow, black, white, red, and green in color. Thickness varies within short distances. Thin bedded to massive. The top is generally identifiable by the presence of brown sandstone, however, interbedded black shale in the Fall River Formation may be mistaken for the Skull Creek Shale.
				Lakota Formation	30-300		
			Jurassic	Upper	Morrison / Unkapa Formation / Sandstone ^{2/}	20-260 / 0-150	Confining beds
	Sundance Formation	145-530					
	Middle	Gypsum Spring Formation ^{3/}		0-201			
		Triassic	Spearfish Formation	450-845			
	Permian		Minnekahta Limestone	25-65			
			Opeche Formation or Shale	50-199			
			Pennsylvanian	Minnelusa Formation	340-800	Minnelusa aquifer (Layer 2)	
	Confining beds	Limestone, dolomite, sandstone and shale. Gray, red, salmon, purple, and white in color. Thin to thick bedding. Red clayey shale commonly at base of the formation.					
	Paleozoic	Mississippian	Madison Limestone or Pahasapa Limestone	400-850	Madison aquifer (Layer 3)	Limestone, locally dolomitic. Gray or buff in color. Generally massive, cavernous in upper part. Permeability from fractures and solution features. Distinguishable from the Minnelusa by the buff color and lack of bedding.	
		Devonian	Englewood Formation	40-75	Confining beds	Limestone, dolomite, and shale. Pink, buff, and green in color. The Whitewood Dolomite is the stratigraphic equivalent of the more extensive Red River Formation. The Englewood Formation appears to be, based on the location of springs and the reaches of stream infiltration, to be the hydrologic base of the Madison aquifer. The Englewood Formation is identified by its distinctive pink-colored limestone beds.	
		Silurian	Not present	0			
Ordovician		Whitewood Dolomite or Limestone or Red River Formation	50-427				
		Wimpey Formation	60-179				
Cambrian		Deadwood Formation	300-500	Deadwood aquifer ^{1/}	Sandstone, shaly limestone, and shale. White, red, brown, green, and gray in color. Missing in some areas where replaced by intrusives.		
Proterozoic					Base of hydrologic system		

- ^{1/} Minor source of supply in the study area.
^{2/} Only in the southern and eastern Black Hills.
^{3/} Only in the northern and western Black Hills.

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM

Office Use Only

Division of Conservation

WR#

OWNERS NAME: Dept. of Military & Vet. Affairs

OWNERS ADDRESS: 2823 West Main St.
Rapid City, SD 57702

COUNTY LAND LOCATED IN: Feminaton PHONE: 394-6670

TENANT'S NAME AND ADDRESS: N/A

LEGAL DESCRIPTION: (Show Legal Descriptions to Nearest 10 Acres)

1. WELL LOCATION 1,820 Ft East and 450 Ft. South of SW corner of Sec 3-T1N-R7E

Depth _____

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: N/A

Diversion Location _____

Legal Description	Acres	Legal Description	Acres
<u>Camp Rapid Parade Field</u>			

3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED _____

LEGAL DESCRIPTION: N/A

IN WHAT NAME: _____

4. LOCATION OF AREA TO BE IRRIGATED NOTE: **SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)**

OTHER: _____

5. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: _____ GUN: _____ (Specify) Springler

6. CROPS TO BE IRRIGATED: Grass

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 1 85-1136 10. ADJUSTED (SAR): 0.19

8. SALINITY (EC X 10⁶): 390 11. PERCENT SODIUM: 5.42

9. SODIUM (SAR): 0.10

I hereby certify that I personally obtained or that I personally observed that taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at 1:45 a.m./p.m., on 12-16, 1985, at the following location: Sioux Sanatorium - 3200 Canyon Lake Drive by (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

Theodore D Johnson
Signature, of Water Sampler.

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

24 DAY OF December, 1985

(NOTARY PUBLIC)

My Commission Expires April 18, 1991

[Signature]
APPLICANT'S SIGNATURE

[Signature]
Director, Division of Conservation

Date 1-10-1986

XX APPROVED

XX DISAPPROVED

XX WAIVER

XX REQUIREMENTS

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

Approved with Requirements

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT: Dept. Military & Vet. Affairs

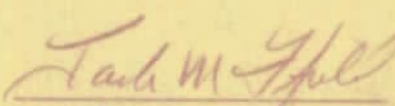
LEGAL DESCRIPTION: Camp Rapid Parade Field

SOIL REQUIREMENTS:
=====

The area to be irrigated may develop a water table and inhibit the downward movement of salt. If a water table develops it may in fact result in the upward movement of salts from the horizons lower in the soil profile. For this reason adequate internal drainage is required and should a water table develop a form of artificial drainage will be necessary.

RECOMMENDED MANAGEMENT:

We recommend that in irrigating that periodically water be applied in excess of the plants needs to enhance the leaching of salts from the root zone. This can be done in the fall to maximize the effects of the late fall and early spring precipitation.


SIGNATURE1-10-86
DATE



STATE OF SOUTH DAKOTA
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
OFFICE OF THE ADJUTANT GENERAL
2823 WEST MAIN STREET
RAPID CITY, SOUTH DAKOTA 57702-8186

DIVISIONS
National Guard
Emergency Disaster Services
Veterans Affairs

SDFMO

18 Dec 85

SUBJECT: Application for a Water Permit and/or Right

Water Rights Division, DWNR
Joe Foss Building
Pierre SD 57501



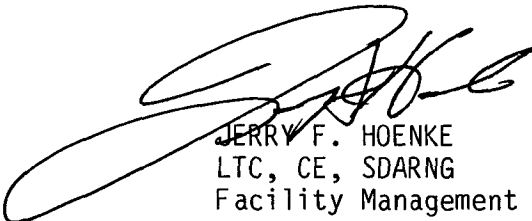
1. The Department of Military and Veterans Affairs is applying for a water permit so that we may establish two wells on our property. Well #1 is located on Camp Rapid and will be used to support a sprinkler system for the parade field, (irrigation). Well #2 is located on West Camp Rapid and will be utilized as a water supply point for the troop training area.

2. Enclosed are three application forms, (1) application for irrigation, (2) application for other uses than irrigation, (3) Soil/water compatibility application, it is our understanding that we are exempt from paying the filing fees, but will be responsible for paying the publication cost. Also as per phone conversation with Kevin Larson, it is understood you will forward our Soil/Water Compatibility to the Department of Agriculture for processing. We have sent a water sample to the Water Quality Lab at SDSU for testing.

3. Should you have any questions or need further information, please contact Ted Johnson at 394-6670, we would appreciate being kept informed as to the progress of the application, thank you for your cooperation in this matter.

FOR THE ADJUTANT GENERAL:

Encl
as


JERRY F. HOENKE
LTC, CE, SDARNG
Facility Management Officer

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT

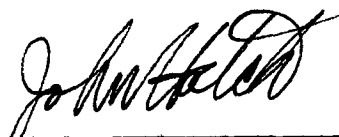
APPLICATION NO. 1953-2, South Dakota Department of Military
& Veterans Affairs

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. 1953-2, South Dakota Department of Military & Veterans Affairs, 2823 West Main Street, Rapid City SD.

The Chief Engineer is recommending APPROVAL of Application No. 1953-2 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) in the public interest with the following qualifications:

1. The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface in compliance with Water Management Board well construction rules, Chapter 74:02:04.
2. The well approved under this Permit shall be valved and the flow reduced to the amount need or to a minimum when not being used. The well shall also be equipped with a pressure guage and a record kept of any pressure fluctuations. Such records shall be available to the Board, upon request.
3. The well 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.
4. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
January 14, 1986

REPORT ON PERMIT APPLICATIONS NO. 1952-2 and No. 1953-2
SOUTH DAKOTA DEPARTMENT OF MILITARY & VETERANS AFFAIRS

December 31, 1985

Application No. 1952-2 proposes to appropriate 0.17 cfs from one well 600-700 feet deep, located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 5, T1N, R7E. The well will provide a water supply point from April through November, for the troop training area (West Camp Rapid). Application No. 1953-2 proposes to appropriate 0.17 cfs from one well 600-700 feet deep, located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 3, T1N, R7E. The well will provide a water supply to irrigate 13 acres from June through September. The land to be irrigated is the parade field at Camp Rapid and is located in the NW $\frac{1}{4}$ Section 3, T1N, R7E.

Aquifer - Minnelusa Formation

The Minnelusa Formation is an assemblage of alternating beds of sandstone, limestone and dolomite, with lesser amounts of black shale and chert. The formation underlies approximately 1,372,520 acres of Pennington County and contains an estimated 51,432,000 acre-feet of recoverable water in storage (Allen, 1984). Recharge to the aquifer has not been quantified, but occurs through direct infiltration of precipitation at the outcrop area, and potentially from upward movement of water from the Madison Limestone. Wells producing from the Minnelusa yield 6-1000 gpm and have specific capacities of 0.039-2.5 gpm/ft (Water Rights Division files, 1985). In the area of the proposed wells, the top of the Minnelusa is 150-200 feet below the land surface, and the formation is at least 400 feet thick (Water Rights Division Files, 1985). The aquifer is under artesian conditions, and the well proposed for Application No. 1953-2 should flow with approximately 20 psi pressure. The water level of the well proposed by Application No. 1952-2 should be approximately 180 feet below the land surface.

The Water Rights Division monitors three observation wells in the area of the proposed wells: PE-65A, a Madison well; PE-64A, a Minnelusa Well; and PE-64B, a Minnelusa Well. The wells fluctuate seasonally in response to recharge and discharge of the aquifers, but do not reflect a decline of head pressure or flow.

Review of Existing Permits

Twelve permits, appropriating water from the Minnelusa Formation, have been issued within approximately two miles of the proposed wells. They include:

<u>Permit No.</u>	<u>Owner</u>	<u>Diversion Rate</u>	<u>Use</u>
433-2	City of Rapid City	0.84 cfs	Municipal
434-2	City of Rapid City	0.55 cfs	Municipal
435-2	City of Rapid City	1.78 cfs	Municipal
436-2	City of Rapid City	1.55 cfs	Municipal
438-2	City of Rapid City	0.22 cfs	Municipal
506-2	Base Central Mix	0.34 cfs	Commercial
716-2	Julian Staven	0.22 cfs	Domestic
902-2	SD Cement Plant	3.14 cfs	Future Use
1155-2	Spring Brook Acres Water Users Asso.	0.53 cfs	Suburban Housing
1451-2	John M Hillard	0.16 cfs	Commercial
1729-2	Carriage Hills Water Assoc.	0.17 cfs	Suburban Housing
1943-2	Lake Park Motel	0.10 cfs	Commercial

Conclusions

1. Application No. 1952-2 proposes to appropriate 0.17 cfs from a Minnelusa well for use from April through November.
2. Application No. 1953-2 proposes to appropriate 0.17 cfs from a Minnelusa well for use from June through September.
3. The Minnelusa is a viable source of water in this area.
4. Observation wells in the area do not show a decline in head pressures of the Minnelusa.
5. There is no aquifer test information available for this area, but the wells will have relatively low withdrawal rates and therefore should cause little or no influence on existing permits.
6. The wells should be constructed according to the Well Construction Standards of South Dakota, Chapter 74:02:04.


KENT BUHLER

Natural Resources Engineer

References

- Allen, J.C., Iles, D.L., Peters, A.K., 1984, Analysis of Ground Water and Streamflow Data Western Dakotas Region of South Dakota: Tasks 3 & 4: Groundwater Resources Inventory: Department of Water and Natural Resources Division of Geological Survey, Vermillion, South Dakota, 57069, U.S. Army Corps of Engineers Contract No. DAWC 45-82-C-0151
- Division of Water Rights, "Water Permit and Domestic Well Log Files", DWNR, Pierre SD, 1985.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

APR 21 1986

Dept of Military & Veterans Affairs
2823 West Main St
Rapid City SD 57702

Dear Sir:

Enclosed herewith is your Water Permit No. 1953-2 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 1953-2.

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 your Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in cursive script that reads "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ks

enclosure

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.

WNR-809-5/83

No. 1953-2

Instruction to Newspaper - Publish first publication of the following Notice on or before January 22, 1986 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1953-2 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No.~~

Notice is hereby given that S.D. Dept. of Military & Veterans Affairs whose mailing address is
2823 W. Main, St., Rapid City, South Dakota has made an application for a permit

to appropriate 0.17 cubic feet per second from one well 600-700 feet deep in the Minnelusa formation. The well will be located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 3, T1N-R7E. Water will be used to irrigate 13 acres (Parade Field at Camp Rapid) located in the NW $\frac{1}{4}$ Section 3, T1N-R7E.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1953-2 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Joe Foss Building, Room 216, 523 E. Capitol, Pierre, South Dakota, March 5 1986 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by February 21, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of 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; (ground) 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; (future use) ~~46-5-38 thru 46-5-40; (transfer lands) 46-5-30.4, 46-5-33 thru 46-5-35; (10,000 AFA) 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; (future use) 74:02:01:24 thru 74:02:01:25; (10,000 AFA) 74:02:01:15:02 thru 74:02:01:15:05.~~

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by February 21, 1986.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County _____) ss.

I, Mary K. Garness hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water 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:

January 22, 1986

January 29, 1986

Mary K. Garness
(Signature)

Bookkeeper
(Title)

January 29, 1986
Mary K. Garness
(Date Signed)

Cost of Printing Ran 8 15/16 inch legal advertising
in the Rapid City Journal on January 22 & 29

@ \$4.20 per inch = \$75.08

Ran public notice of hearing

Jan. 22, 29 L429

NOTICE OF HEARING
ON APPLICATION 1953-2
TO APPROPRIATE WATER

Notice is hereby given that S.D.
Dept. of Military & Veterans Af-
fairs whose mailing address is 2823
W. Main St., Rapid City, South
Dakota has made an application for
a permit to appropriate 0.17 cubic
feet per second from one well
600-700 feet deep in the Minnelusa
formation. The well will be located
in the NE 1/4 NW 1/4 Section 3,
T1N-R7E. Water will be used to ir-
rigate 13 acres (Parade Field at
Camp Rapid) located in the NW 1/4
Section 3, T1N-R7E.

Pursuant to SDCL 46-2A-2 the
Chief Engineer of the Water Rights
Division recommends Approval of
Application No. 1953-2 because 1)
unappropriated water is available,
2) will be no unlawful impairment
of existing rights, 3) is beneficial
use of water and 4) is in the public
interest.

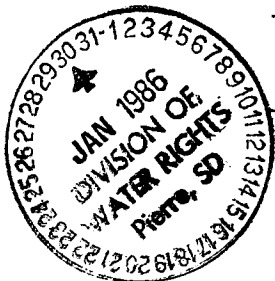
This application will be con-
sidered by the Water Management
Board at Room 216, Joe Foss
Building, 523 E. Capitol, Pierre,
South Dakota, March 5, 1986 at
10:00 a.m.

The recommendation of the Chief
Engineer is not final or binding
upon the Board and the Board is
authorized to 1) approve, 2) ap-
prove with qualifications, 3) defer,
or 4) deny this application after it
reaches a conclusion based upon
facts presented at the public hear-
ing. Any interested person who
may be affected by a Board deci-
sion and who intends to participate
in the hearing before the Board and
present evidence or cross-examine
witnesses according to SDCL 1-26,
must file a written petition with
BOTH the Applicant and the Chief
Engineer by February 21, 1986. The
petition may be informal, but it
must include a statement describ-
ing the petitioner's interest in the
application, the reasons for the
petitioner's opposition to or support
of the application, and the
signature and mailing address of
the petitioner or his legal counsel if
legal counsel is obtained. The ap-
plicant need not file a petition.

This application is made pur-
suant to the provisions of 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; 46-6-3,
46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13,
46-6-14; and Board Rules ARSD
74:02:01:01 thru 74:02:01:15.

This hearing is an adversary pro-
ceeding. The applicant or any per-
son, after filing a petition, has the
right to be present or to be
represented by a lawyer. These and
other due process rights will be
forfeited if they are not exercised.
Decisions of the Board may be ap-
pealed to the Circuit Court and the
State Supreme Court as provided
by law.

Any person wishing a copy of the
Chief Engineer's recommendation,
further information on this applica-
tion or to assure access to the hear-
ing by the handicapped can contact
the Water Rights Division, DWNR,
Joe Foss Bldg., Pierre, S.D.,
(605-773-3352) for assistance prior
to the hearing date. The time of the
hearing will be automatically ex-
tended for at least twenty days
upon written request of the ap-
plicant or any person who has filed a
petition to oppose or support the ap-
plication. The request for extension
must be filed with the Chief
Engineer by February 21, 1986.





NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USE

Post Office _____

Date 30 Dec 86

TO: Water Rights
Joe Foss Building
Pierre, South Dakota 57501

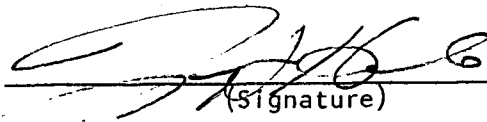
Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to maximum extent it is going to be used, not exceeding the amounts as specified in Water Right No. 1953-2.

Water Right Permit No. 1953-2 states that the diversion system is to be constructed by ARMY NATIONAL GUARD, and that the water is put to beneficial use by Dept Military & Veterans Affairs.

The diversion system was completed on 10 Sept 86. Applying the water to beneficial use was completed on OCT 86.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.


(Signature)



February 4, 1997

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOTICE

TO: MILITARY & VETERANS AFFAIRS, MICHAEL O'CONNOR, 2823 W MAIN ST, RAPID CITY, SD 57702 8186

FROM: Ron Duvall, Natural Resources Engineer
for John Hatch, Chief Engineer
Water Rights Program

SUBJECT: Violation of Water Permit No(s). 1953-2

Our records indicate that the 1996 Irrigation Questionnaire has not been submitted for Permit No(s) 1953-2. The request for the Questionnaire was dated October 24, 1996. The Water Management Board has directed that owners of water permits who have not submitted the 1996 Irrigation Questionnaire be given notice of permit violation and a hearing to be held by the Board. The hearing held by the Board will determine the action to be taken for violation of Water Permit No(s) 1953-2 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at 2:30 pm, March 5, 1997 in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre, SD, and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 1953-2 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is(are) received in this office on/or before February 28, 1997, you will no longer be in violation of your permit and your name will be deleted from the Board agenda. If you have questions or need assistance in completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

Fold at line over top of

Is your RETURN
folded on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

MILITARY & VETERANS AFFAIRS
MICHAEL O'CONNOR
2823 W MAIN ST
RAPID CITY SD 57702 8186

4a. Article Number

P378 080 553

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

2/5/97 AS

5. Received By: (Print Name)

Thomas E. Dennis

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 10, 1997

1953-2

Randy Smeenk
Military & Veterans Affairs
2823 W Main St
Rapid City, SD 57702-8186

Dear Mr. Smeenk:

I am writing to acknowledge receipt of your 1996 irrigation questionnaire. You may disregard the February 4, 1997, **Notice of Violation of Water Permit No. 1953-2.**

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

500
FEE
RAPID CITY INTERCHANGE 0.9 MI
T. 3
4883
5'
1 MI. TO U.S. 16
HOT SPRINGS 57 MI.
T. 1
4881
RAPID CITY (EAST)
5372 II SW





1953-2
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 25, 2019

NOTICE

TO: DEPT OF the MILITARY, PHYSICAL PLANT MGR, 2823 W MAIN ST, RAPID CITY, SD
57702 8186

FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2018 Irrigation Questionnaire(s)

Our records indicate your 2018 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 1953-2. The request for the Questionnaire was dated October 30, 2018. The Water Management Board has directed that owners of water permits who have not submitted the 2018 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 1953-2 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 6, 2019 at 10:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 1953-2 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 6, 2019** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 29, 2019

1953-2

Emily Beck, Environmental Program Mgr
Department of the Military
420-JFHQ
2823 W Main St
Rapid City SD 57702-8170

Dear Ms. Beck:

I am writing to acknowledge receipt of the 2018 irrigation questionnaire for Water Permit No. 1953-2.

You may disregard the January 25, 2019, "Notice" concerning reporting requirements for Water Permit No. 1953-2. The information was received in our office prior to the Water Management Board meeting and the issue has been deleted from the agenda.

Thank you for following up on this. If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 1953-2

I have this day, April 12, 2017 made a thorough examination of the water use system constructed by Department of the Military (formerly Military and Veterans Affairs @ Camp Rapid), 2823 W Main St, Building 420, Rapid City, SD 57702-8186 of Permit No. 1953-2, bearing the priority of 12/19/1985 authorizing the diversion of .17 cu. ft. per second of water from 1 well for irrigation, purposes, in Pennington County.

Inspection contact & relationship to permit holder, if applicable: **Emily Beck, Environmental Coordinator**
emily.s.beck.nfg@mail.mil
605-737-6670

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: 916th Engr Det (WD), Bismark No.Dak. (9/10/1986)
- 2) No. of Wells 1
- 3) Depth(s) 565 feet
- 4) Well log is available: No

Comment: Well information including depth, casing, and water levels from CETEC Engineering pump test and camera probe of 9/17/2013.

Casing:

- 1) Diameter 7" from 0-300', 5 1/2" from 300-470', 4" from 470-500'
- 2) Length 500 feet
- 3) Type Steel

Screen:

- 1) Type open hole
- 2) Length 65 feet
- 3) Static water level Flowing (30-40 gpm free flow, + 40 ft. static pressure, 9/2013)

Pump:

- 1) Make Goulds
- 2) Model 95L10
- 3) Size 6 in.
- 4) Capacity 100 GPM
- 5) Horsepower rating 10 hp (variable speed controller)

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

PVC piping of various sizes to a multiple zone underground sprinkler system

C. Works used to apply water to beneficial use:

Underground sprinkler system

D. Compliance with Permit Requirements:

1) Permit qualifications being abided by : **The well is believed to have been constructed according to SD well construction standards based on other similar wells constructed by the 916th Engr Det during summer training exercises, however a well completion report is not available.**

2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **Yes**

List any extended period of nonuse: **none**

3) Exceptions to compliance are: **none**

E. Condition and Location:

1. The system is in **good** condition with the point of diversion located as follows:
445' S and 1,795' E of NW corner Section 3 T1N R7E (44.080844, -103.26527)

2. The works are capable of diverting and conveying to the place of use **0.22** cu. ft. per second of water (100 gpm) which is to be used for sprinkler **irrigation** use. Water has been put to beneficial use (**irrigation**) to the maximum extent as follows:

Section 3 T1N R7E

NW ¼ NW¼ 3.0 acres

NE ¼ NW¼ 10.0 acres

comprising a total of **13.0** acres of land and the license should be issued for **0.17** cfs .

3. All structures, wells and lands on map **Yes**

F. Comments or other permit(s) associated with the project: none



Steven Quissell
Water Rights Inspector
DENR Water Rights Program

Date report completed: **8/18/2017**

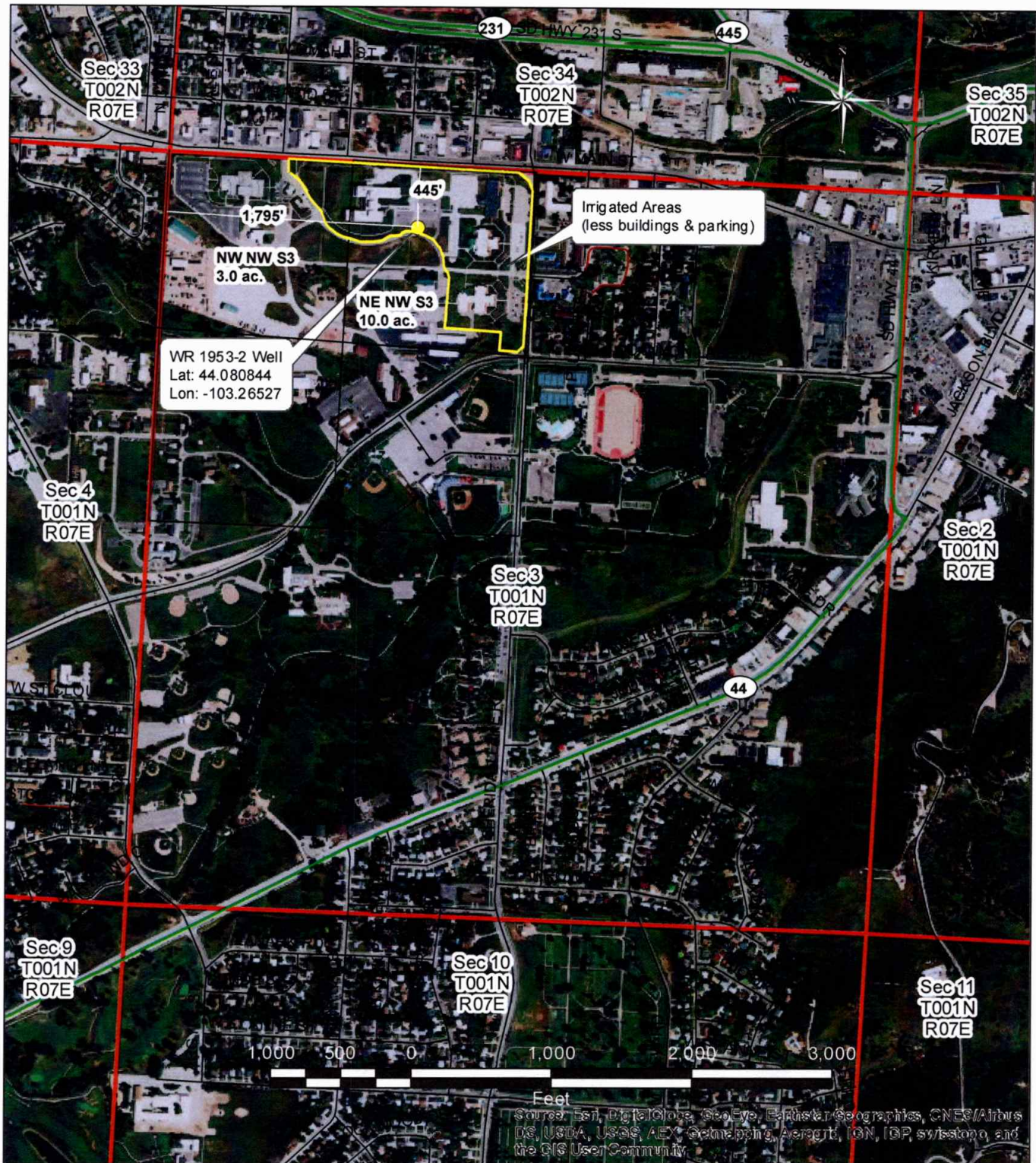


Well and pump house



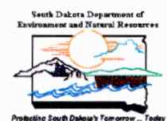
Pump house appurtenances

**Water Right #1953-2
Department of the Military
4/12/2017**



Steven Quissell

Steven Quissell
Water Rights Inspector
DENR Water Rights Program





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

AUG 08 2022

1953-2

Emily Beck, Environmental Coordinator
Department of the Military
2823 W Main St, 420 JFHQ
Rapid City SD 57702

Dear Ms. Beck:

Enclosed is Water License No. 1953-2. This is the final water right document completing the process of obtaining a Water Right. Included with the license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, 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 you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Eric Gronlund, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1953-2

(1) Department of the Military (formerly Military & Veterans Affairs) 2823 W Main St., Building 420 JFHQ, Rapid City SD 57702 made Application No. 1953-2, December 19, 1985, for a water permit to divert 0.17 cubic feet of water per second from ground water, one well (Minnelusa Aquifer), Pennington County, South Dakota for irrigation purposes. Permit No. 1953-2, with a priority date of December 19, 1985, was approved March 5, 1986, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 5, 1991, and for the application to beneficial use of water on or before March 5, 1995.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the water supply system and is entitled to divert 0.17 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 445'S and 1,795'E of NW corner Section 3, T1N, R7E (NE ¼ NW ¼)
Latitude 44.080844, Longitude -103.26527

(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:

Section 3, T1N, R7E	NW ¼ NW ¼	3 acres
	NE ¼ NW ¼	10 acres
	Total	13 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Department of the Military, 2823 W Main St., Building 420 JFHQ, Rapid City SD 57702 the holder and/or owner of Water Right No. 1953-2 is issued a license to appropriate water, the right to use 0.17 cubic feet of water per second from ground water, one well (Minnelusa Aquifer) with a priority date of December 19, 1985, from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 1953-2 and subject to the following qualifications:

- The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface in compliance with Water Management Board Well Construction Rules, Chapter 74:02:04.
- The well approved under this water right shall be valved and the flow reduced to the amount needed or to a minimum when not being used. The well shall also be equipped with a pressure gauge and a record kept of any pressure fluctuations. Such records shall be available to the Chief Engineer upon request.

continued

- The well approved under this water right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right 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.
- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.

Eric Gronlund

Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

AUG 08 2022

date

