

Water Right Number 1614.2

1. Considered 11.30, 1937
2. Name of Applicant EDWIN H. ANDERSON
3. Post Office Address EDGEMONT
4. Amount of water claimed .46
5. Source of water supply CHEYENNE RIVER
6. Water to be used for IRRIGATION
- Acreage to be irrigated 32.5
7. Water to be diverted and used in FALL RIVER County
about 8N, 10W Miles of EDGEMONT
8. Proof of Publication Received 11-18-77
Not received _____

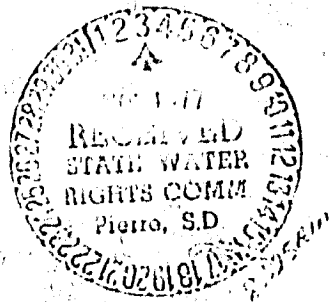
9. Application _____

10. Remarks:

1-4-77

*Edwin Anderson, by J. H. Hargrave
Interviewed & talked to about
and explained that application for
water right up to the 3rd of Sept
first of Sept. the previous year. Right
after the review. Also that we also
have some priorities and also some
list in the project application. Then
explained the situation and said the
application probably would be right to
take into pending immediately with
each right in the review.*

*He also talked to Keith Anderson
a son and explained regarding the
application and the situation and
also the situation. That is and
then that is and with right in the
project. It probably would follow up right
and then get the right in the project.*

Map No. 1379-2 Water Division No. 2 SOUTH CHEYENNE RIVER District 1
 (Blanks to be Filled by the Engineer for the W. R. C.)


APPLICATION FOR PERMIT

To Appropriately Water within the State of South Dakota

(NOTE—Draw a line through items not applicable)

Map in back of file
Filled up

1. Name of Applicant Edwin H. Andersen II
 Postoffice address Star Route, Edgemont State SD
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) direct labor
3. Name of diversion work Andersen #1 Diversion
4. Amount of water claimed (cubic feet per second) 0.46 cfs (total amount claimed from both diversion points)
5. Source of water supply Cheyenne River
6. Location of point of diversion Bank Ditch diversion point located S82°20'W 2161.3 ft from the SE corner sec 17, T7S, R1E; Lower Ditch diversion point located S88°21'W 4707.4 ft from the SE corner sec 17, T7S, R1E County Fall River
7. Annual period or periods during which water is to be used Spring & Summer during high river flows
8. Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation
9. For irrigation use, _____ Total number of acres to be irrigated 32.50

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.	Land Description	No. Acres Irr.
<u>SW 1/4 SW 1/4, sec 17, T7S, R1E</u>	<u>12.09</u>		
<u>SE 1/4 SW 1/4</u>	<u>17.81</u>		
<u>SW 1/4 SE 1/4</u>	<u>2.20</u>		
<u>NW 1/4 NE 1/4, sec 30, T7S, R1E</u>	<u>0.40</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system five years. Additional time required to complete application of water to the proposed beneficial use one years.
11. Choice of newspaper for Notice of Intent to Appropriately Water publication Edgemont Herald-Tribune
12. Principal Features of the Proposed Water Supply System.

 Works proposed to divert water from its natural source.
Portable pumping equipment

 B. Works proposed to transport water to place of use.
Earth Ditches & short pipelines

 C. Works proposed to apply water to beneficial use.
Graded Border Irrigation
Estimated Total Cost \$ 3000
 Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

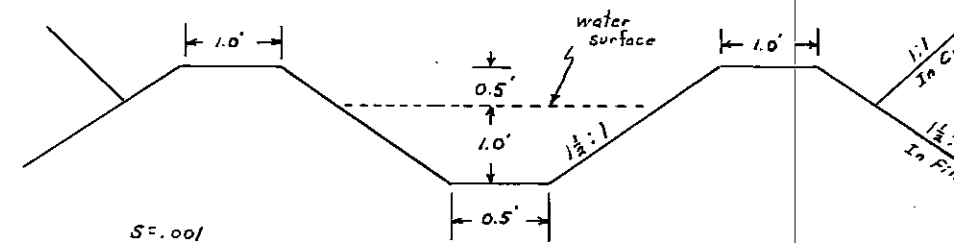
STATE OF SOUTH DAKOTA

County of Fall River
 I, Edwin H. Andersen, the applicant, certify that I have read the foregoing application and 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 Edwin H. AndersenSubscribed and sworn to before me this 21st day of October, 1927
James H. Coates
 Notary Public (or other qualified officer)

Lands to be irrigated by
Andersen #1 Diversion
Edwin H. Andersen, Owner

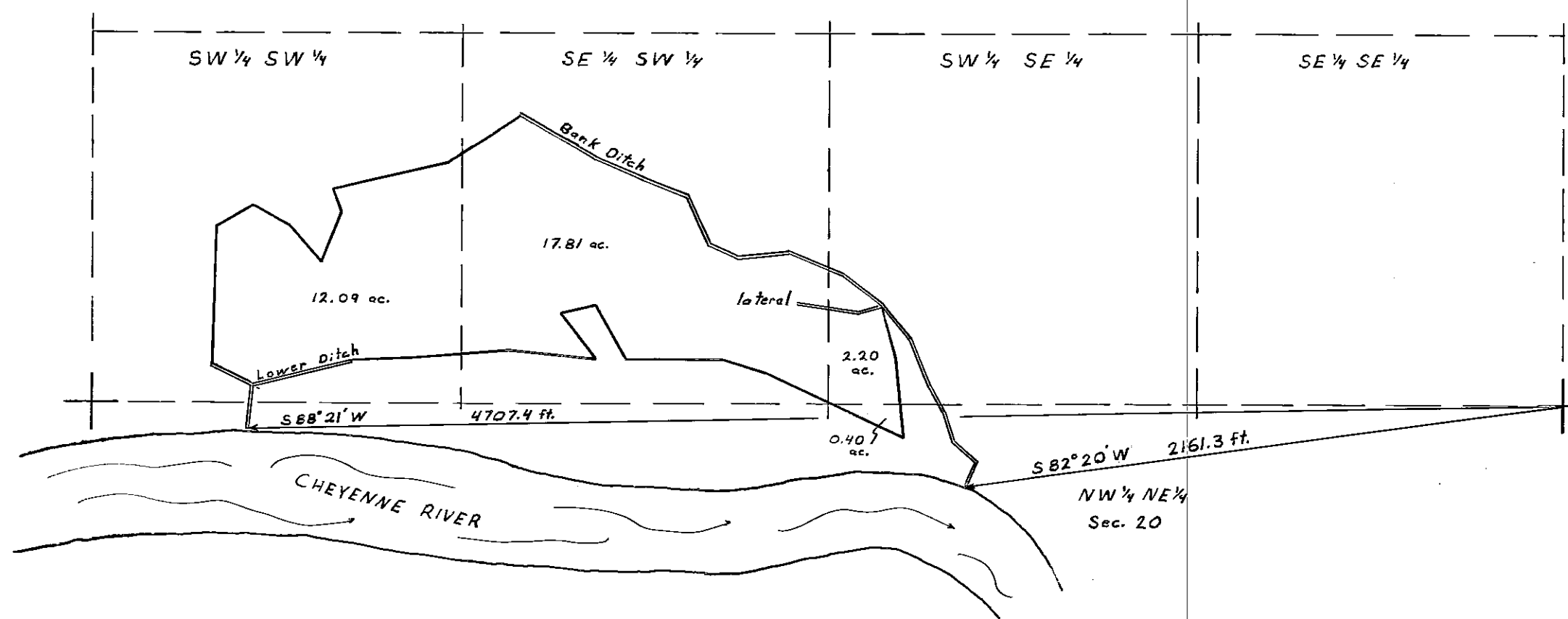
Location	Acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 17, T7S, R1E	12.09
SE $\frac{1}{4}$ SW $\frac{1}{4}$ " "	17.81
SW $\frac{1}{4}$ SE $\frac{1}{4}$ " "	2.20
NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 20, T7S, R1E	0.40
Total	32.50 ac.

Typical Ditch Section



Bank Ditch 2328' Long
Lower Ditch 694' Long

SECTION 17, T7S, R1E



Scale 1" = 500'

I, Keith E. Andersen of Edgemont, S.D.,
hereby certify that I have surveyed the
proposed diversion and have prepared this
map correctly showing the proposed location
of the Andersen #1 Diversion.

Keith E. Andersen

Keith E. Andersen, P.E.

S.D. # 2842

MAP

Showing Proposed Location of
ANDERSEN #1 DIVERSION

to accompany application for permit
to divert water from Cheyenne River
for irrigation.

MAP N° 1379-2 (APP. N° 1614-2)

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1614.2

EDWIN H. ANDERSEN
(Applicant)

STAR RT. EDGEMONT
(Post Office Address)

SOUTH DAKOTA 57735

With the following modifications:

The U.S. Bureau of Reclamation holds water rights to certain flows in the Cheyenne River for storage in Angostura Reservoir. It is likely that water diversion restrictions under this permit to appropriate water may be necessary at times to assure water for domestic use, including stockwater, and water supplies for prior water rights, including the Angostura storage.

This Permit also requires a by-passing of 50 cubic feet per second.

These restrictions mean that no diversions will take place during the spring until the Angostura reservoir has received the flows (excluding storage diversions) necessary to bring the reservoir to elevation 3,187.2 feet msl. Upon meeting this requirement then the low flow by-pass of 50 cfs would go into effect throughout the remainder of the irrigation season.

Date of first receipt of application NOVEMBER 3, 1977

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

Date of receipt of corrected application _____, 19____

Approved JANUARY 31, 1979, Recorded in Book 20 Page 113

WATER RIGHT PERMIT NO. 1614-2

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1614-2 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is NOVEMBER 3, 1977
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 31, 1981
3. The whole of said work is to be completed on or before JANUARY 31, 1984
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 31, 1985
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 injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed .46 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, and if for the irrigation purposes said appropriation must be limited to not more than 3 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 JANUARY 31, 1985; said water to be used during the following described annual period: SPRING - SUMMER - WHEN AVAILABLE

Witness my hand this 5th day of FEBRUARY, 1979

WATER RESOURCES COMMISSION

By:

John Hatcher
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

CONSERVATION COMMISSION
FORM WI #1
6/77

SOIL/WATER COMPATIBILITY APPLICATION FORM

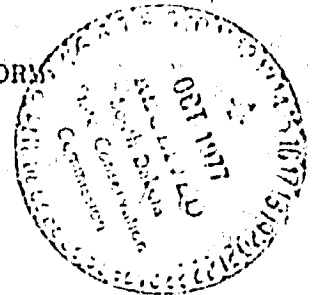
STATE CONSERVATION COMMISSION
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

IMPORTANT: Read Instructions Before Proceeding!!!

NAME Eduard H. Anderson

ADDRESS Star Route Edgemont SD 57735

COUNTY Fall River



In accordance with State Law (Section 1, SB-58), if a water right is granted with a conditional permit (Soil/Water compatibility), a copy of such conditional permit must be filed with the County Register of Deeds.

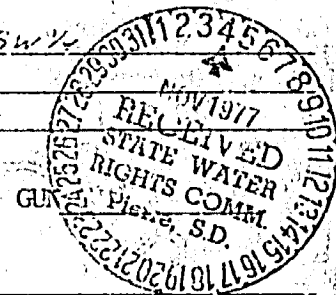
This action must be taken by the holder of a water right within 6 months of receipt of such water right.

LEGAL DESCRIPTION:

1. WELL LOCATION OR DIVERSION POINT T75 R1E sec 17 SE 1/4 SW 1/4
2. LOCATION OF AREA TO BE IRRIGATED T75 R1E sec 17 S 1/2 SW 1/4

TYPE OF IRRIGATION:

3. GRAVITY ☒ TOWLINE _____ CENTER PIVOT _____
OTHER (SPECIFY) _____
4. CROPS TO BE IRRIGATED Alfalfa



WATER QUALITY: (To be completed by SDSU Water Quality Lab) From USGS report 1971

5. SAMPLE NUMBER Yale Edgemont R. at Edgemont, Apr 13, 1971, page 18
6. SALINITY (EC X 10⁶) 2390
7. SODIUM (SAR) 4.7
8. RESIDUAL SODIUM CARBONATE (meg/1.) 0

Recesses data for
S.D. Part 2 water
Quality Water Records

I do hereby certify that a chemical analysis of the irrigation water representative of that used to irrigate shall be acquired from South Dakota State University and the soils information has been acquired from _____ Conservation District, County Extension Office or Soil Conservation Service; and further, that the legal description for the location of the well and land to be irrigated is true and correct.

SUBSCRIBED AND SWORN BEFORE ME THIS
3 DAY OF October, 1977

Eduard H. Anderson
(TITLE OR SEAL)

Eduard H. Anderson
APPLICANT'S SIGNATURE
Albert J. [Signature]
Approved ☒
Disapproved _____
Conditionally Approved _____

(SOILS INFORMATION ON REVERSE SIDE)

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

(RECOMMENDED MANAGEMENT)

NAME OF APPLICANT Edwin H. Andersen, Edgemont, South Dakota

RECOMMENDED MANAGEMENT:

1. Water should not be applied more than 1, 2, 3, 4, 5, times during the irrigation season.
2. Each uninterrupted application (one rotation of center pivot) should be of at least 1, 2, 3, 4, inches of water.
3. ☐ Yes ☐ No Surface drainage suggested
4. ☐ Yes ☐ No Subsurface drainage suggested
5. ☐ Yes ☐ No Specific land areas that should be avoided

6. ☒ Deep tillage (For the purpose of aiding movement of water through dense subsoils)

7. ☒ Heavy full application of irrigation water

	<u>EC</u>	<u>SAR</u>
Actual EC (Using Dr. Fine's)	2390	4.7
Permitted EC (SiCL)	1200	
Permitted EC Rainfall to match Irrig-	1200 - 2400	

Your irrigation proposition is wholly a management situation, where you will need to be selective of when you pump from the river. Surge flows with a tolerable EC do not last for long. A holding reservoir (such as a Beaver Creek site) for snow melt and/or for pumping from high river flow would be an ideal situation, if that were feasible.

Conditional application granted with your knowledge that irrigation can be cut off if your irrigation practice is injurious to your soil.

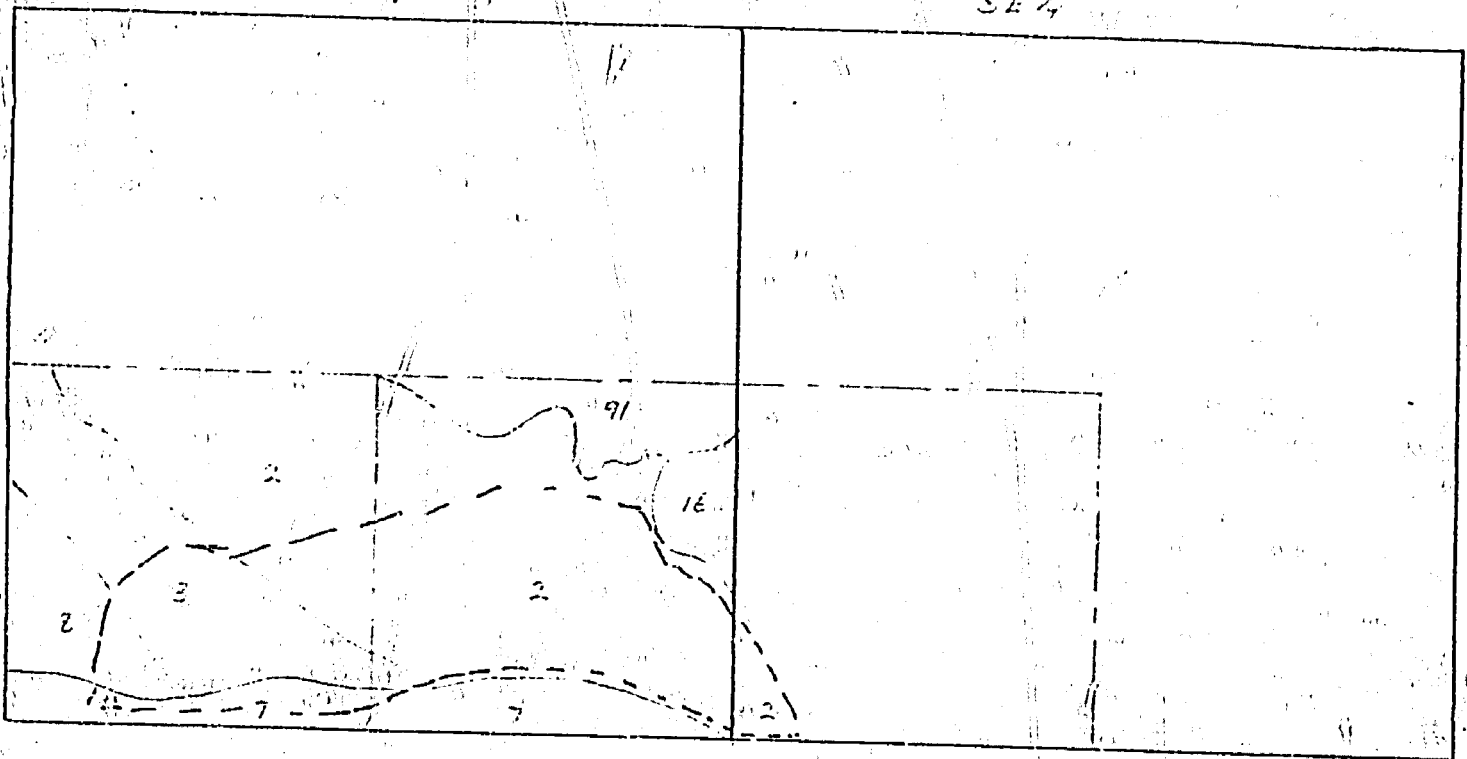
Copy to Applicant	- 1	Chisel type tillage in the fall for to facilitate
Copies to Water Rights	- 2	natural moisture intake is a good practice--somewhat
Copy to File	- 1	hard to accomplish on alfalfa land.

GOOD LUCK

SW 1/4 sec 17, T7S, R1E

MAP

SE 1/4



NARRATIVE

Scale 1" = 660'

Note: Approximate lands to be irrigated outlined in red on aerial photo

2 Lehmiller Silty Clay Loam 0.2% slope
Deep, lumpy soils on nearly level bottom lands and footslopes that sometimes receive beneficial overflow. The main limitation is inadequate moisture and the main hazard is wind erosion.

3 Hansen Soils 0.2% slope
Description same as for Lehmiller Silty Clay Loam.

7 Sankara soils 0.2% slope
Thin sandy soils on bottom lands. They receive severe wind erosion hazards. The main limitations are low water holding capacity and inadequate moisture.

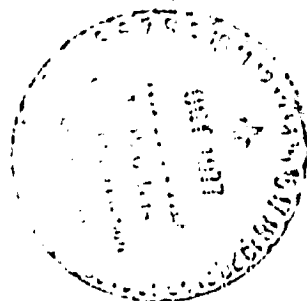
8 Sankara Fine Sandy loam 0.2% slope
They are moderate, deep moisture lands soils on nearly level bottom lands, terraces and uplands. They have severe wind erosion hazards. The main limitations are inadequate moisture and low water holding capacity.

Note: About 1/2 mile south are located the ancient flood plain of the Snake River and are underlain by soft, water sand and gravel & other deposits.

Water Quality Data (flow > 10 cfs)
from US Geological Survey

Sta. 3665 Cheyenne River near Spencer, WY

<u>Date</u>	<u>Flow (cfs)</u>	<u>Sodium Adsorption Ratio</u>	<u>Specific Conductance (micromhos)</u>
6-12-69	175	3.0	1550
8-09-69	20	6.0	2460
7-01-75	20	4.5	1850
7-08-76	18	4.4	1100
8-04-76	16	4.3	1200



AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF FALL RIVER

Marlin R McKown

of said county, being first duly sworn, on oath says that he is the publisher or editor

of The Edgemont Herald-Tribune, a weekly newspaper printed and published in Edgemont, SD, said County of Fall River, and has full and personal knowledge of all the facts herein stated; that said newspaper is a legal newspaper and has a bona-fide circulation of at least two hundred copies weekly, and has been published within said County for fifty-two successive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the

Notice of Hearing on Application to Appropriate Water

a printed copy of which, taken from the paper in which the same was published, is attached to this sheet, and is made a part of this Affidavit, was published in said newspaper at least once each week for two successive weeks, on the day of each week on which said newspaper was regularly published to wit:

November 17 19. 77; 19.

November 24 19. 77; 19.

19.; 19.

that the full amount of the fees for the publication of the annexed notice is \$ 15.25

Signed

Marlin R. McKown

Subscribed and sworn to before me this 23rd

day of November, 1977.

Notary Public

County of Fall River, South Dakota

#3749 - November 17, 24
NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER

Notice is hereby given that Edwin H. Andersen whose post office address is Edgemont, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-19 thru 46-5-22, 46-5-41, and commission rules AR3D 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 0.46 cubic feet of water per second of time from the Cheyenne River through the Andersen #1, the points of diversion of which are to be located in the NW 1/4 NW 1/4 and NW 1/4 NE 1/4 of Section 20, Twp. 7 S Range 1 E. Said water to be used for the purpose of providing irrigation on portions of the following described land:

S 1/4 SW 1/4, SW 1/4 SE 1/4, Section 17; NW 1/4 NE 1/4, Section 20, T7S, R1E. 1614.2

This Application No. 4370-2 will be considered by the Water Rights commission at Pierre, SD upon the 30 day of November, 1977 at 10 a.m. The commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

Water Rights Commission
/s/James Winterton
James Winterton
Water Rights Specialist



Publish first publication, on or before November 17, 1977

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

November 2, 1977

Notice is hereby given that Edwin H. Andersen whose post office

address is Edgemont, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-24, and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 0.46 cubic feet of water per second of time from the Cheyenne River through the

Andersen #1, the point of diversion of which ~~is~~ ^{are} to be located in the

NW 1/4 NW 1/4 and NW 1/4 NE 1/4

of Section 20, Twp. 7S Range 1E. Said water to be used for the purpose of providing irrigation on portions of the following described land:

S 1/2 SW 1/4, SW 1/4 SE 1/4, Section 17; NW 1/4 NE 1/4, Section 20, T7S, R1E.

This Application No. 1379-2 will be considered by the Water Rights Commission at Pierre, SD upon the 30 day of November, 1977 at 10 AM. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

WATER RIGHTS COMMISSION

JAMES WINTERSON

Water Rights Specialist

cc: Edwin H. Andersen, Star Route, Edgemont, SD 57735

NOTE: Final Proof of Publication must be received by hearing date for the Commission to take action.

RE: 1593-2 & 1614-2

INVESTIGATION OF WATER AVAILABILITY
ABOVE THE ANGOSTURA RESERVOIR ON THE
CHEYENNE RIVER AND TRIBUTARIES

January 17, 1979

INTRODUCTION

Two deferred applications to appropriate water exist above the Angostura Project on the Cheyenne River. Application No. 1593-2 is for Mason Miller of Edgemont, South Dakota requesting 1.66 cfs to irrigate 116.2 acres out of the Cheyenne River. The location of this diversion would be 2.5 miles downstream from Edgemont, SD. Application No. 1614-2 is for Edwin Anderson of Edgemont, SD requesting 0.46 cfs to irrigate 32.50 acres out of the Cheyenne River. The location of the diversion would be near the Wyoming State Line.

These applications were deferred because of questions concerning water availability in the Upper Cheyenne River Basin and whether it would continue meeting the needs of existing water rights on the Cheyenne River. A report on availability of water was issued to the Commission at the March, 1978 hearings of the Water Rights Commission. At this meeting, the Commission again deferred the permits for one year because of the existing low reservoir levels. This report is an update of the March, 1978 report.

The Upper Cheyenne River Basin is the source of runoff for the Angostura Reservoir and during 1975, 1976 and 1977 the reservoir levels had declined because of insufficient flows in the Cheyenne River and tributaries. Figure 1 (attached) shows the highest elevations attained by the reservoir from 1954 through 1978. Elevation 3187.2 msl is the full water level elevation of the reservoir. In 1975, 1976, and 1977, the water level in the reservoir had steadily declined because of the low annual runoff. However, 1978 runoff filled the reservoir by May 8 of that year.

A total of 3045 acres is authorized for private irrigation out of the Upper Cheyenne River, plus 12,342 acres for the Angostura Irrigation District. Annual diversions from storage to the canals average 45,000 acre feet. Evaporation losses are approximately 10,400 acre feet while precipitation will add approximately 4,000 acre feet. Total use by Angostura is 51,400 acre feet per year. Private irrigation above Angostura uses approximately 3,050 acre feet of the Cheyenne River flows.

Additional diversions occur on the tributaries to the Cheyenne River which would also reduce the available runoff above the reservoir. Water Rights with a priority junior to that of the Irrigation District were not restricted in 1978 since the runoff was above normal.

U.S. Withdrawal Water License No. 579-2 for the Angostura Irrigation District holds a priority date of April 14, 1941 to store water annually in Angostura Reservoir on the Cheyenne River for the purposes of irrigation and recreation use plus incidental silt detention, water quality, fish and wildlife habitat, domestic, livestock watering and other beneficial uses, with recreation being a year round use and Irrigation uses being in the April 1st through October 15th period.

The qualifications and allocations included on the U.S. Withdrawal 579-2 include the following:

- (1) Flows (not exceeding inflows) shall be released as needed for downstream water right use;
- (2) The initial reservoir filling (138,761 acre feet) having been accomplished, the authorized annual refill shall be equal to that volume of water needed to bring the reservoir water surface to the top of the active storage space elevation 3,187.2 feet msl.
- (3) Annual irrigation diversions shall not exceed the irrigated acreage multiplied by 3, the maximum allowable acre feet that can be applied to each irrigated acre, multiplied by 7/5, the water transportation factor.

Historical records of the U.S. Geological Survey at the gauging station near Hot Springs were analyzed to determine water availability. These flow records have a period of record from 1943-1972. The gauging station has since then been discontinued. Figure 2 is a monthly hydrograph of the flows. This shows that there are times during most years when water would be available for appropriation. All flows including flood flows are used to fill the reservoir, with filling generally occurring in the spring during the months of May or June.

The flows are quite variable throughout the year with the highest flows occurring in the spring of the year. In order to meet the needs of existing water rights on the Cheyenne River above Angostura flows of 3,050 acre feet per month must be maintained as shown by the dashed line on Figure 2. From this hydrograph it was determined in each 10 year period water would be available for at least one month in 8 to 9 years (87%); for 2 months in 6 years (57%); 3 months in 2 years (20%); and 4 months in one year (7%). On an average, there would be about 1 year (13%) out of each 10 when water would not be available for additional irrigation. These assumptions are based on the premise that Angostura Reservoir was filled every year during spring runoff.

A flow frequency analysis of the yearly runoff gives an average flow of 102,870 acre feet per year. There is a 70% chance of equalling or exceeding a flow of 57,200 acre feet annually. This volume of water would meet the needs of the Angostura Irrigation District and private irrigation.

The storage of Angostura on December 31, 1978 was 130,000 acre feet leaving 8,647 acre feet required to fill the reservoir to elevation 3,187.2 as specified on U.S. Water Right 579-2. Present conditions would indicate the reservoir will be filled in the early spring of 1979.

CONCLUSIONS

As more water becomes appropriated out of rivers and streams, more restrictions must be placed on the permit as to periods of use and the low flows which must be by-passed.

There is a seventy per cent chance of equalling or exceeding the flows necessary for the Angostura Reservoir, however, during this time of adequate flows, a further restriction must be placed on the water right for a 50 cfs low flow by-pass to meet the needs of existing water rights. The dashed line on figure 2 represents the irrigation period within each year and the monthly volume which must be by-passed to meet the downstream requirements.

RECOMMENDATIONS TO THE COMMISSION

It is recommended that:

Application numbers 1593-2 and 1614-2 be approved with the "Above Angostura" qualification which states:

"The U.S. Bureau of Reclamation holds water rights to certain flows in the Cheyenne River for storage in Angostura Reservoir. It is likely that water diversion restrictions under this permit to appropriate water may be necessary at times to assure water for domestic use, including stockwater and water supplies for prior water rights, including the Angostura Storage."

In addition, a further restriction should be placed on the permit, that requires by-passing 50 cubic feet per second.

These restrictions mean that no diversions will take place during the spring until the Angostura reservoir has received the flows (excluding storage diversions) necessary to bring the reservoir to elevation 3,187.2 feet msl. Upon meeting this requirement then the low flow by-pass of 50 cfs would go into effect throughout the remainder of the irrigation season.

JAMES E. WINTERTON
Water Resources Engineer IV

ANGOSTURA RESERVOIR

Highest Yearly Elevation

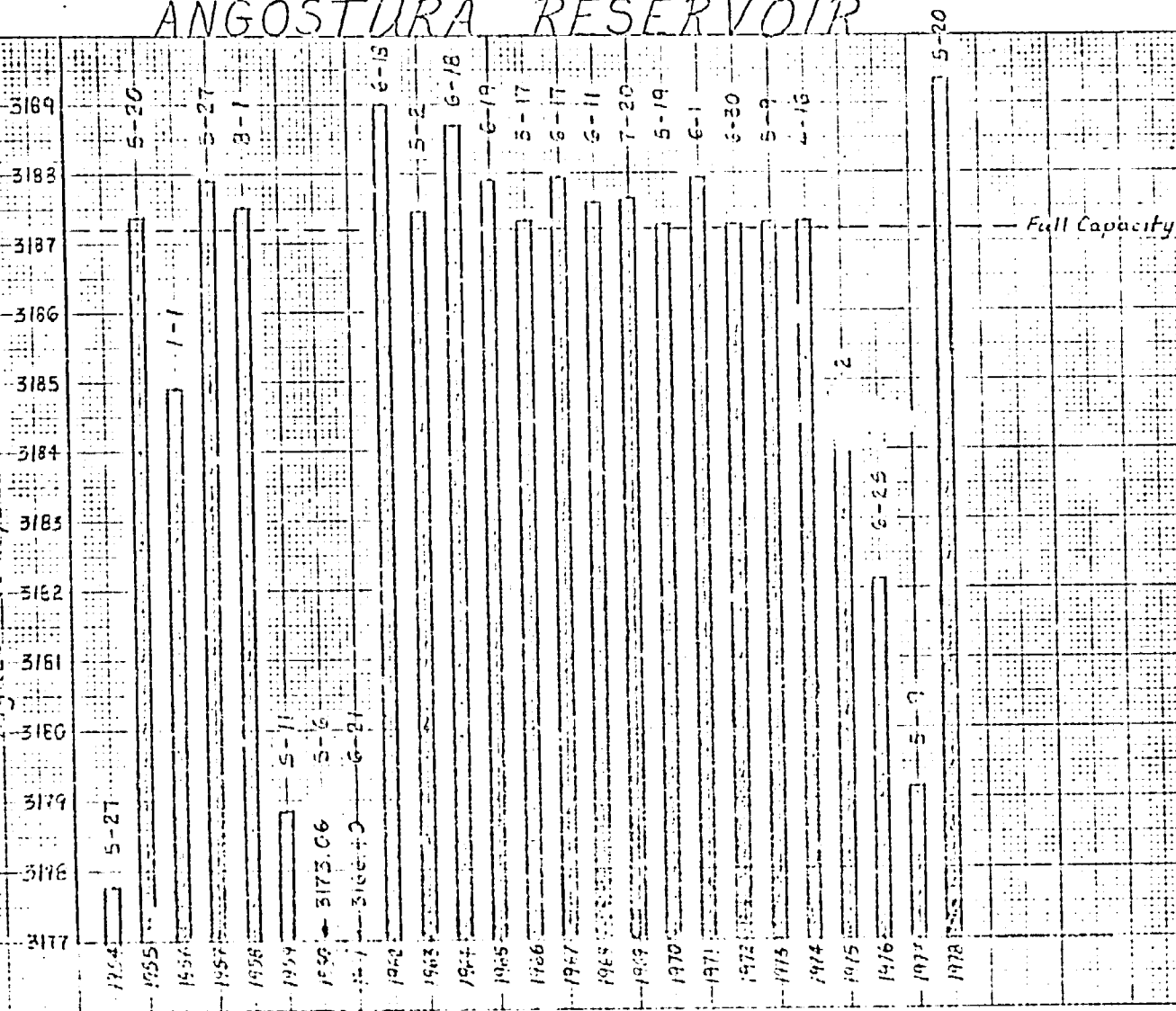


FIGURE 1

ACRE-FT/MO

1968

10000

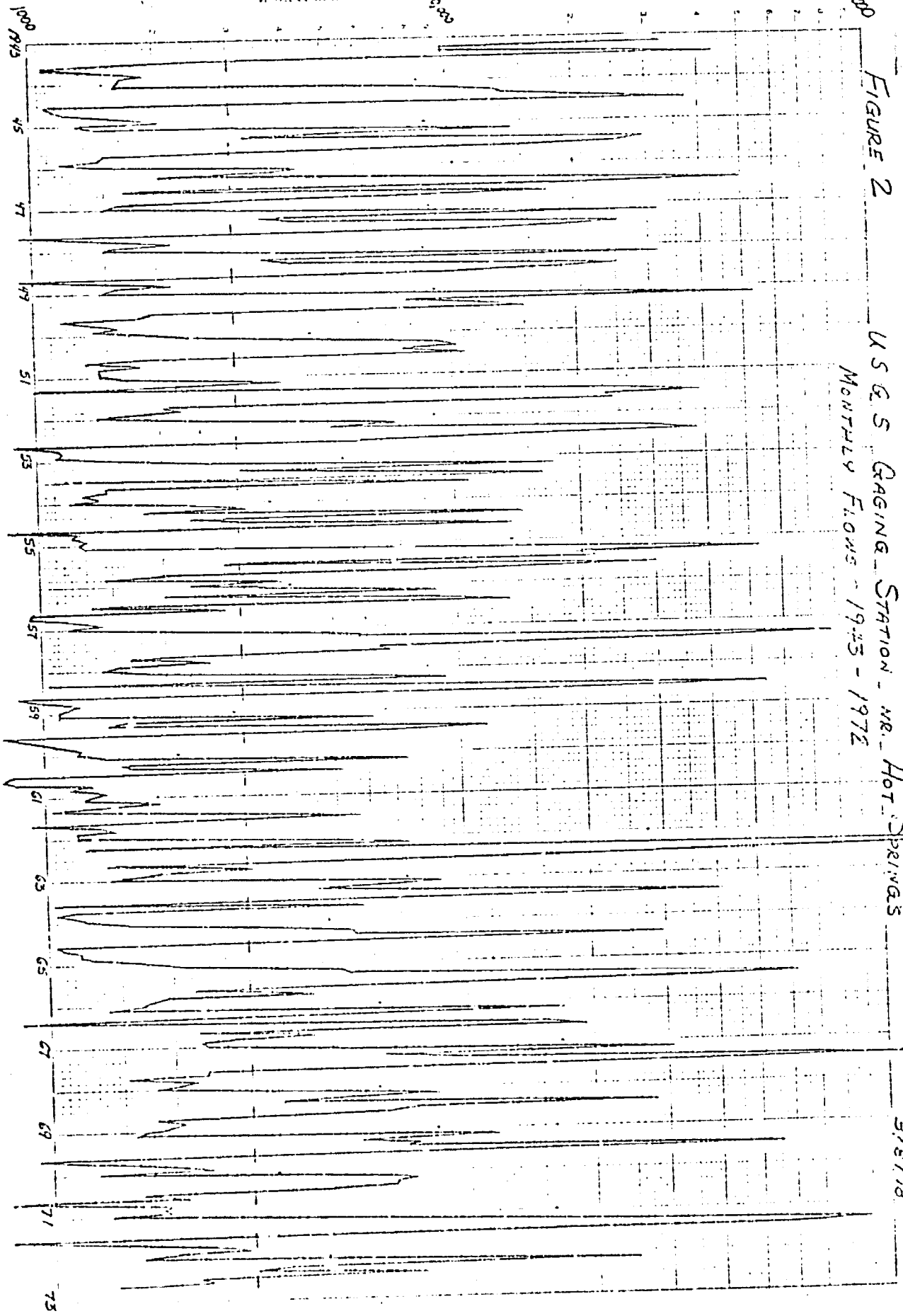
FIGURE 2

U.S.G.S. GAGING STATION - NR. HOT SPRINGS
MONTHLY FLOWS - 1943 - 1972

DATE MICROFILMED

CANADA DEPOSIT

3/8/78



The qualifications and allocations included on the U.S. Withdrawal 579-2 include the following:

- (1) Flows (not exceeding inflows) shall be released as needed for downstream water right use;
- (2) The initial reservoir filling (138,761 acre feet) having been accomplished, the authorized annual refill shall be equal to that volume of water needed to bring the reservoir water surface to the top of the active storage space elevation 3,187.2 feet msl.
- (3) Annual irrigation diversions shall not exceed the irrigated acreage multiplied by 3, the maximum allowable acre feet that can be applied to each irrigated acre, multiplied by 7/5, the water transportation factor.

Historical records of the U.S. Geological Survey at the gaging station near Hot Springs were analyzed to determine water availability. These flow records have a period of record from 1943-1972. The gaging station has since then been discontinued. Figure 2 is a monthly hydrograph of the flows. This shows that there are times during most years when water would be available for appropriation. All flows including flood flows are used to fill the reservoir.

The flows are quite variable throughout the year with the highest flows occurring in the spring of the year. In order to meet the needs of existing water rights on the Cheyenne River above Angostura flows of 3,050 acre feet per month must be maintained as shown by the dashed line on Figure 2. From this hydrograph it was determined in each 10 year period water would be available for at least one month in 8 to 9 years (87%); for 2 months in 6 years (57%); 3 months in 2 years (20%); and 4 months in one year (7%). On an average, there would be about 1 year (13%) out of each 10 when water would not be available for additional irrigation. These assumptions are based on the premise that Angostura Reservoir was filled every year during spring runoff.

A flow frequency analysis of the yearly runoff gives an average flow of 102,870 acre feet per year. There is a 70% chance of equalling or exceeding a flow of 57,200 acre feet annually. This volume of water would meet the needs of the Angostura Irrigation District and private irrigation.

The storage of Angostura on December 31, 1977 was 77,819 acre feet leaving 60,942 acre feet required to fill the reservoir to elevation 3,187.2 as specified on U.S. Water Right 579-2. A year with an average flow would fill the reservoir, however present conditions in southwestern South Dakota would indicate that this may be another year of below average runoff.

CONCLUSIONS

A policy should be established as to when the feasibility and practicability of an irrigation project becomes unfeasible and impractical. As more water becomes appropriated out of rivers and streams, more restrictions must be placed on the permit as to periods of use and the low flows which must be by-passed. At what point does the Commission decide that no further appropriation will be made from a certain reach of a river or stream?

There are presently 31 water rights above the Angostura Reservoir which could be subject to shut off until the reservoir has received the inflow necessary to

RE: 1593-2 & 1614-2

INVESTIGATION OF WATER AVAILABILITY
ABOVE THE ANGSTURA RESERVOIR ON THE
CHEYENNE RIVER AND TRIBUTARIES
March 15, 1978

INTRODUCTION

Presently there are two deferred applications from the Cheyenne River. Application No. 1593-2 is for Mason Miller of Edgemont, SD requesting 1.66 cfs to irrigate 116.2 acres out of the Cheyenne River. The location of this diversion would be 2.5 miles downstream from Edgemont, SD. Application No. 1614-2 is for Edwin Anderson of Edgemont, SD requesting 0.46 cfs to irrigate 32.50 acres out of the Cheyenne River. The location of the diversion would be near the Wyoming State Line.

These applications were deferred because of questions concerning water availability in the Upper Cheyenne River Basin and whether it would continue meeting the needs of existing water rights on the Cheyenne River.

DISCUSSION

The Upper Cheyenne River Basin is the source of runoff for the Angostura Reservoir and during 1975, 1976 and 1977 the reservoir levels have been declining because of insufficient flows in the Cheyenne River and tributaries. Figure 1 (attached) shows the highest elevations attained by the reservoir from 1954 through 1977. Elevation 3187.2 msl is the full water level elevation of the reservoir. In the past three years, the water level in the reservoir has declined because of the low annual runoff.

A total of 3045 acres is authorized for private irrigation out of the Upper Cheyenne River, plus 12,342 acres for the Angostura Irrigation District. Annual diversions from storage to the canals average 45,000 acre-feet. Evaporation losses are approximately 10,400 acre feet while precipitation will add approximately 4,000 acre feet. Total use by Angostura is 51,400 acre feet per year. Private irrigation above Angostura uses approximately 4,600 feet of the Cheyenne River flows.

Additional diversions occur on the tributaries to the Cheyenne River which would also reduce the available runoff above the reservoir. Water Rights with a priority junior to that of the Irrigation District may have to be restricted in 1978 if the runoff is again below normal. A listing of the Water Rights holding a priority junior to the Angostura Irrigation District is attached.

U.S. Withdrawal Water License No. 579-2 for the Angostura Irrigation District holds a priority date of April 14, 1941 to store water annually in Angostura Reservoir on the Cheyenne River for the purposes of irrigation and recreation use plus incidental silt detention, water quality, fish and wildlife habitat, domestic, livestock watering and other beneficial uses, with recreation being a year round use and irrigation uses being in the April 1st through October 15th period.

bring the Water Level elevation to 3187.2 feet msl. These water rights total 97.04 cfs for 6,647.99 acres of irrigation. A below average year may necessitate a shut off of these water rights.

There is a seventy per cent chance of equalling or exceeding the flows necessary for the Angostura Reservoir, however, during this time of adequate flows, a further restriction must be placed on the water right for a 50 cfs low flow by-pass to meet the needs of existing Water Rights. The dashed line on figure 2 represents the irrigation period within each year and the monthly volume which must be by-passed to meet downstream requirements.

RECOMMENDATIONS TO THE COMMISSION

It is recommended that:

Application numbers 1593-2 and 1614-2 be approved with the "Above Angostura" qualification which states:

"The U.S. Bureau of Reclamation holds water rights to certain flows in the Cheyenne River for storage in Angostura Reservoir. It is likely that water diversion restrictions under this permit to appropriate water may be necessary at times to assure water for domestic use, including stockwater, and water supplies for prior water rights, including the Angostura Storage."

In addition, a further restriction should be placed on the permit, that requires by-passing 50 cubic feet per second.

These restrictions mean that no diversions will take place during the spring until the Angostura reservoir has received the flows (excluding storage diversions) necessary to bring the reservoir to elevation 3,187.2 feet msl. Upon meeting this requirement then the low flow by-pass of 50 cfs would go into effect throughout the remainder of the irrigation season.

JAMES E. WINTERTON
Water Resources Engineer III

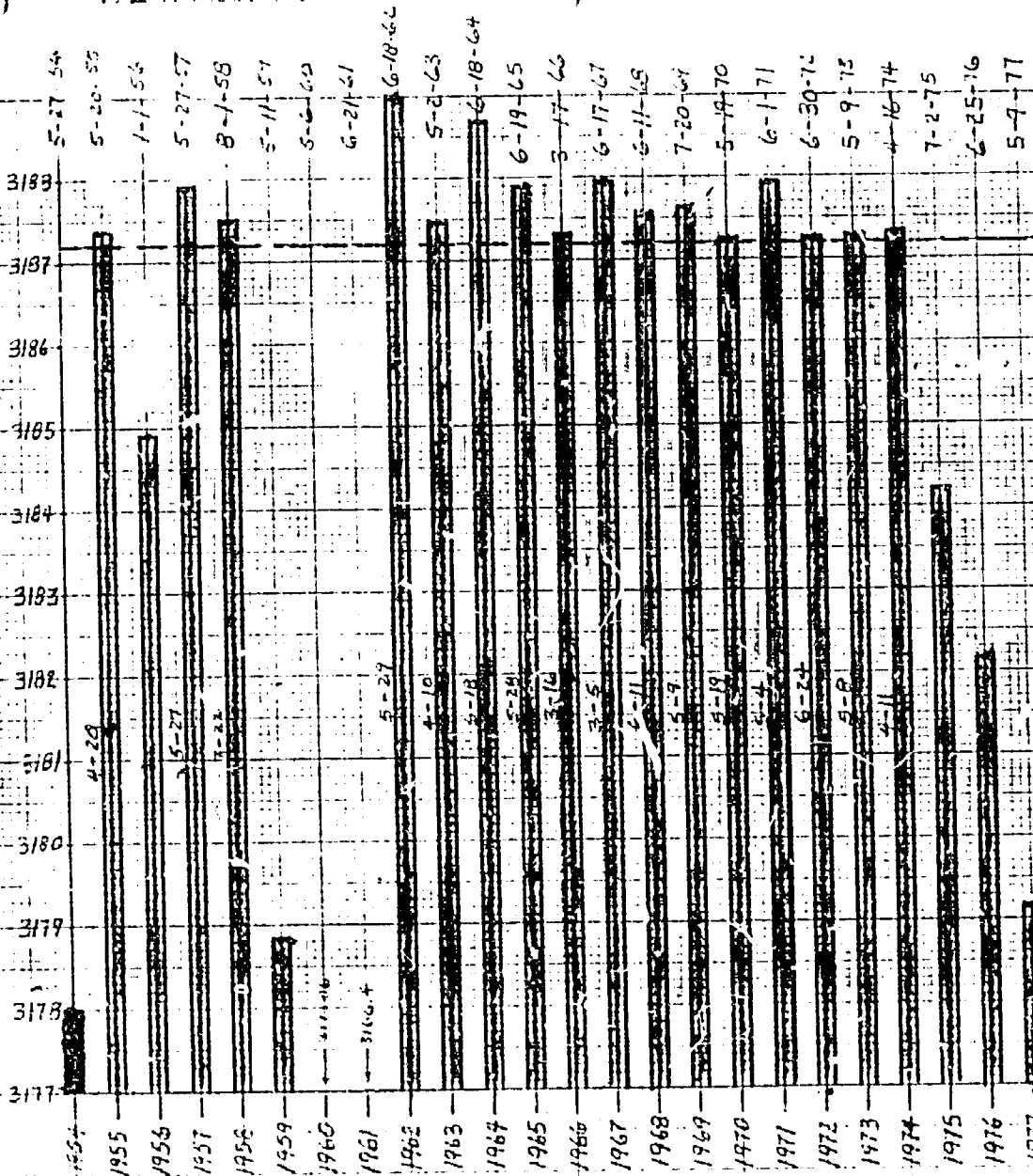
Water Rights with Priority Junior to the Angostura Irrigation District
on the Cheyenne River and Tributaries above the Angostura Reservoir

- # 308-2 Richard L. & Charlotte J. Anderson, Dewey Rt., Edgemont 57735
- 324-2 B. F. Childers, Edgemont, 57735
- 350-2 Darrel D. Hunter, Ardmore, SD 57715
- 392-2 Ray Lautenschlager, Fall River Rd., Hot Springs, 57747
- 410-2 Ralph Mefferd, Edgemont, 57735
- 421-2 Herman P. Heck, Edgemont, 57735
- 422-2 Edwin Benton, Edgemont, 57735
- 517-2 Moody & Geiser Sheep Co., Oelrichs, 57763
- 534-2 Warner Ball, Edgemont, 57747
- 540-2 Darrell E. Heldman, Box 31, Edgemont, 57735
- 567-2 Harold Dodson, Edgemont, 57735
- 636-2 V. L. Childers, Edgemont, 57735
- 654-2 Oscar Cope, Oelrichs, 57763
- 657-2 A & T Cattle Co., Hot Springs, 57747
- 669-2 Oliver M. Romey, Box 175, Oelrichs, 57763
- 671-2 Vernon Seger, Oelrichs, 57763
- 676-2 Melvin Lulf, Hot Springs, 57747
- 711-2 Donald Putnam, Oelrichs, 57763
- 718-2 Rudolph Lulf, Hot Springs, 57747
- 755-2 Brainerd Indian School, Cascade Rd., Hot Springs, 57747
- 763-2 Carl Kannolt, Oelrichs, 57763
- 770-2 A. C. Smith & Claude Smith, Mobridge, 57601
- 785-2 John N. McLain, Oelrichs, 57763
- 788-2 Carl P. Hald, Oelrichs, 57763
- 853-2 Herbert J. Wasserburger, Ardmore, 57715
- 858-2 M. F. Childers, Edgemont, 57735
- 866-2 A. J. Landers, Hot Springs, 57747

Permit
No.

1019-2	Landers Cattle Company, Provo 57774
1021-2	Florence M. & Leonard E. McElhaney, Edgemont, 57735
1193-2	Herbert & Gertrude Wasserburger, Ardmore, 57715
1410-2	Harold E. & Irene M. Dodson, P.O. Box 765, Edgemont, 57735

Highest Yearly Elevation



1614-3
collected in
1593-2

February 9, 1979

Raymond Schmidt
Pres. Board of Directors
Angostura Irr. District
Box 145
Oral SD 57766

Dear Mr. Schmidt:

The Water Rights Commission at its meeting January 31 and February 1, 1979 approved application No. 1593-2 for 1.66 cfs (Mason Miller) and No. 1614-2 for .46 cfs (Edwin Anderson) in Fall River County with the following qualification:

The U.S. Bureau of Reclamation holds water rights to certain flows in the Cheyenne River for storage in Angostura Reservoir. It is likely that water diversion restrictions under this permit to appropriate water may be necessary at times to assure water for domestic use, including stockwater, and water supplies for prior water rights, including the Angostura storage.

This permit also requires a by-passing of 50 cubic feet per second.

These restrictions mean that no diversions will take place during the spring until the Angostura reservoir has received the flows (excluding storage diversions) necessary to bring the reservoir to elevation 3,187.2 feet msl. Upon meeting this requirement then the low flow by-pass of 50 cfs would go into effect throughout the remainder of the irrigation season.

South Dakota Statutes provide that this decision by the Commission may be appealed to the courts.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Commission

JH:kjw

Form 10.

No. 1614-2

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

Post Office Edgemont S.Dak

Date Jan 8, 1984

TO: Water Rights Commission
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 the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 1614-2.

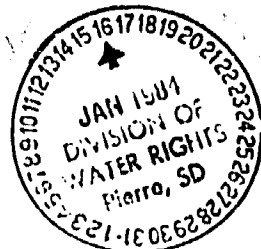
Water Right Permit No. 1614-2 states that the diversion system is to be constructed by January 31, 1984 and that the water is to be put to beneficial use by January 31, 1985.

The diversion system was completed on Sept, 1983.
Applying the water to beneficial ^{to be} use was completed on Summer, 1985.

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.

Edwin N. Anderson

(Signature) Received Exp. 20



Permit No. 1614-2

Water District

Report Of Examination Of Works And/Or Application Of Water To Beneficial Use

TO: Chief Engineer, Division of Water Rights, DWNR, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by Edwin H. Anderson of Dewey Rt., Box 20, Edgemont, SD holder of Permit No. 1614-2, bearing the priority of Nov. 5, 1977 authorizing the diversion of 0.46 cu. ft. per second of the waters of Cheyenne River for irrigation purposes, in Fall River County.

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

- A. Works used to divert the water: Portable centrifugal Berkeley Pump powered by a John Deere "A" Tractor. This pump is used at both diversion points. The pump is capable of diverting 1000 gpm.
- B. Works used to transport water to place of use: canals as shown on the map. check dams force the water thru small depressions in the side of the canal
- C. Works used to apply water to beneficial use: Flood irrigation - graded borders

The system is in the following condition goodThe point of diversion is located Point #1 - S82°20'W, 2161.3 and Point #2 - S88°21'W, 4707.2 ft both from the SE corner Section 17, T7S, R1E.The works are capable of diverting and conveying to the place of use 1000 gpm cu. ft. per second of water which is to be used for irrigation

Water has been put to beneficial use to the maximum extent as follows:

SW² SW², Sec 17, T7S, R1E - 12.89 ac.SE² SW², " " " - 17.81 ac.SW² SE², " " " - 2.20 ac.NW² NE², Sec 20, " " - 0.20 ac.comprising a total of 32.5 acres of land and the license should be issued for 0.46 cfsApplicable permit qualifications have been complied with ☒ Yes ☐ NoExceptions to compliance are: _____ Date May 24, 1985

Edwin H. Brong, P.E.
Hydrologist

LICENSE FOR PERMIT NUMBER 1614-2

1. Legal location of wells: _____

dams & structures: _____

2. Well Information: Well Drilling Firm _____

No. of wells _____ Depth _____

Casing a) diameter _____ Screen a) type _____
b) length _____ b) length _____
c) type _____ Static Water Level _____

Pump a) make Parkley Motor a) make John Deere Tractor
b) model 60 DE b) model no. "A"
c) size 6" c) horsepower rating 30
d) capacity 1000 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages _____

3. Distribution lines:

a) size of lines 8" pipeline to canal
b) type aluminum
c) length 50'

4. Dam Information:

a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____

i) Outlet tubes:

1) diameter _____
2) type gate _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

h) Distribution lines or canals:
1) size _____
2) type _____
3) length _____

5. System Type: a) sideroll:

1) length _____ feet
2) diameter of pipe _____
3) make, model & number of sprinklers _____
4) spacing of sprinklers _____
5) nozzle size _____

b) towline:

1) length _____ feet
2) make, model & number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) End gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) PSI reading while system is running _____
- 9) GPM _____

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES	NO	Check Items
-----	----	-------------

- | | | |
|-------------------------------------|--------------------------|---|
| ☒ | ☐ | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit. |
| ☒ | ☐ | 2. Special Qualifications to permit being abided by. |
| ☒ | ☐ | 3. All Structures, wells and lands on map. |

REMARKS:

State of South Dakota
Water License No. 1614-2

(1) Edwin H. Anderson
of Dewey Route, Box 20, Edgemont, South Dakota
made Application No. 1614-2, November 3, 1977 for a water permit to appropriate
0.46 cubic feet per second of water from the Cheyenne River
Fall River County, South Dakota for irrigation purposes.
Permit No. 1614-2, with a priority date of November 3, 1977
was approved January 31, 1979 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before January 31, 1984 and for the application to beneficial use of said
water on or before January 31, 1985.

and

(2) It is certified that the application 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 0.46 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is are Point #1 - S82°20'W, 2161.3 ft and
Point #2 - S88°21'W, 4707.4 ft, both from the SE Corner, Section 17, T7S, R1E

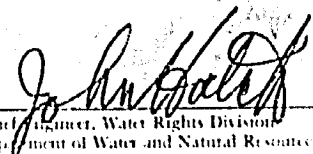
and

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to the following extent, to irrigate the following land all in T7S, R1E

Section 17	SW $\frac{1}{4}$ SW $\frac{1}{4}$	12.09 Acres	(CC)
	SE $\frac{1}{4}$ SW $\frac{1}{4}$	17.81 Acres	(CD)
	SW $\frac{1}{4}$ SE $\frac{1}{4}$	2.20 Acres	(DC)
Section 20	NW $\frac{1}{4}$ NE $\frac{1}{4}$	0.40 Acres	(AB)
TOTAL		32.50 ACRES	

(4) Pursuant to §16-5-30.1 Edwin H. Anderson
of Dewey Route, Box 20, Edgemont, South Dakota
the holder(s) and/or owner(s) of Water Permit No. 1614-2 is issued a license to appropriate water, the right to use
0.46 cubic feet per second of water from the Cheyenne River with a priority date
of November 3, 1977 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 Permit No. 1614-2 and subject
to South Dakota State Law.


Chief Engineer, Water Rights Division
Department of Water and Natural Resources
JOHN HATCH
DEC 20 1985



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

No. 1614-2

May 29, 1985

Edwin H. Andersen
Star Route
Edgemont, South Dakota 57735

Dear Mr. Andersen:

The inspection of your water use system and inspection of the extent of the application of water to beneficial use, as developed under your Water Right No. 1614-2 has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuing of the Water License. Upon receipt of the \$50.00 fee from you, your Water License will be sent to you.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until this \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Maxine Stirling
Staff Assistant

ms/

NOTE: On form of payment, please include the number of the water permit. This insures proper handling of the fee.

DWNR-814 8/83

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

No 4 10057

Pierre, June 4, 1905

RECEIVED OF Edwin or Irene Anderson, Dewey Route, Box 20, Edgemont, SD 5773
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct works 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. <u>1014-2</u>	50	00
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	50	00

By J. H. Hatch
Chief Engineer JOHN HATCH (S)



Department of Water & Natural Resources

Joo Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

No. 1614-2

DEC 90 1985

Edwin H. Anderson
Dewey Route, Box 20
Edgemont, South Dakota 57735

Dear Mr. Anderson:

Enclosed herewith is, Water License No. 1614-2. This is the final water right document completing your process of obtaining a water right.

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

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH: MB

Enclosures

WNR-817 3/83
Transmittal of Water License

**South Dakota Department of
Water & Natural Resources**
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501
Division of Water Rights
605 773-3352

No. 1614-2

Mrs. Edwin Anderson
Dewey Route, Box 20
Edgemont, South Dakota 57735

Dear Mrs. Anderson:

Please find enclosed a copy of a Notice of Transfer of Water Permit form. This form must be signed by the owner before a notary and returned to this office with a filing fee of \$2.50.

Upon receipt of the enclosed form and the \$2.50 filing fee the permit will be transferred to the proper name. South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a Water Permit or Water Right to appropriate water to be filed with this office within ninety days.

Please advise if you have any questions.

Sincerely,

Maxine Stirling
Secretary

ms/
Enc.

DWNR-820A-8/83

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501

Date: 12-19-86

This is to notify you that the title to the lands described as follows:

32.5 Acres - S $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 17, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 20, T7S, R1E

formerly owned by Edwin Andersen

has been transferred to Irene R. Andersen (Mrs. Edwin) HCR 59, Box 20
(please include complete mailing address) Edgemont, SD 57735
together with any rights to the beneficial use of water thereon as evidenced by

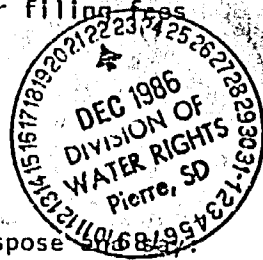
Water Right Permit No. 1614-2 as provided for in SDCL 46-5-32 and 46-5-33.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Div. of Water Rights, Water Management Board as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is hereto attached to cover filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)
County of Hall River) ss.

I, Irene R. Andersen being first duly sworn on my oath depose that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.



Irene R. Andersen
(Signed)

Subscribed and sworn to before me this 19 Day of December, 1986.

Delna L. Ebele
(Notary Public)

RECEIPT

Division of Water Rights
South Dakota Department of Water and Natural Resources

610654

Pierre, December 22, 1986

RECEIVED OF Irene R. Andersen, HCR 59, Box 20, Edgemont, SD 57735

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works 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. _____		
Fee for Filing Transfer Form <u>1614-2</u>	2	50
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	2	50

By

John Hatch
Chief Engineer JOHN HATCH

No. 1614-2

SOUTH DAKOTA Department of
Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501 Phone (605) 773-3352

December 31, 1986

Irene R. Andersen
HCR 59, Box 20
Edgemont, South Dakota 57735

Dear Mrs. Andersen:

Enclosed is receipt No. 410654 in the amount of \$2.50 which you
paid for transfer of Water Right No. 1614-2.

Our records now show you as the owner of this Water Right.

Sincerely,

Maxine Stirling
Secretary

ms/
Enc.

WR-821-7/79
Receipt & Notice of filing of Transfer of Water Right

**South Dakota Department of
Water & Natural Resources**

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

May 11, 1989

1614-2

NOTICE

TO: Irene H. Anderson
HCR 59, Box 20
Edgemont, SD 57735

FROM: JOHN HATCH, CHIEF ENGINEER
Water Rights Division
(605)773-3352

John Hatch

SUBJECT: Shut Off Order for Junior Water Rights Upstream of
Angostura Irrigation District

Effective May 19, 1989, you are ordered to cease diversions of water under Water Right No. 1614-2. The priority date for your water right is junior to the April 11, 1941 priority date for Angostura Irrigation District Water Right No. 579-2.

The Angostura Irrigation District's water supply is as follows:

May 2, 1989	24,673 acre feet available for irrigation at elevation 3173.4 ft. msl
-------------	--

The Irrigation District needs 45,000 acre feet per year for irrigation.

One fill of Angostura reservoir is authorized per year. The District has agreed to allow junior priority irrigation upstream, if the reservoir fills to elevation 3,183.7 ft. msl, 3.5 feet below full elevation (3187.2 ft msl). If the reservoir fills to 3,183.7 ft. msl, the shutoff order will be rescinded. Any releases by the District for irrigation will be included in the 3183.7 ft. msl. calculation.

If you have any questions, please contact Jim Winterton (605 773-3352).



**South Dakota Department of
Water & Natural Resources**

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

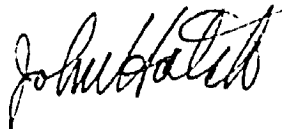
March 19, 1990

1614-2

NOTICE

TO: Irene H. Andersor
HCR 59, Box 20
Edgemont, SD 57735

FROM: JOHN HATCH, CHIEF ENGINEER
Water Right Division
(605)773-3352



SUBJECT: Shut Off Order for Junior Water Rights Upstream of
Angostura Irrigation District

This is a follow-up notice to the May 10, 1990 notice that you received ordering you to cease diversion of water under Water Right No. 1614-2. You are reminded that the order is still in effect and will remain in effect until Angostura Reservoir has filled. The May 10, 1989 order stated that the order was effective until the reservoir had reached an elevation of 3183.7 feet above mean sea level (msl). This has been changed and the order will remain in effect until the reservoir has reached the full elevation of 3187.2 msl. On March 6, 1990 the reservoir elevation was 3171.1 msl.

All water rights above Angostura Reservoir will be monitored until the reservoir has filled. I am asking for your cooperation in complying with this order. The Water Management Board can suspend any water right that does not comply. The option also exists in that a water use control area can be established to enforce compliance.

If you have any questions, please contact Del Brosz (605 773-3352).

SOUTH DAKOTA
Department of
Water & Natural Resources

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

March 14, 1991

1614-2

NOTICE

TO: Irene H. Anderson
HCR 59, Box 20
Edgemont, SD 57735

FROM: *for* JOHN HATCH, CHIEF ENGINEER
Water Rights Division
(605) 773-3352

Delvin W. Brosz

SUBJECT: Reminder of Shut Off Order for Junior Water
Rights Upstream of Angostura Reservoir

This is a reminder that the March 19, 1990 notice you received ordering you to cease diversion under your water right is still in effect and will remain in effect until Angostura Reservoir has filled. The elevation of Angostura Reservoir when full is 3187.2 feet above mean sea level (msl). On February 27, 1991 the reservoir elevation was 3170.25 msl.

All water rights above Angostura Reservoir will be monitored until the reservoir has filled. I am again asking for your cooperation in complying with this order.

If you have any questions, please contact Mark Rath or Del Brosz (605) 773-3352.

1

South Dakota

GREAT FACES. GREAT PLACES.

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

May 20, 1991

1614-2

RESCISSION OF SHUTOFF ORDER

TO: Irene H. Anderson
HCR 59, Box 20
Edgemont, SD 57735

FROM: for JOHN HATCH, CHIEF ENGINEER
Water Rights Division
(605) 773-3352

Delvin W. Brosz

SUBJECT: Rescission of Shut Off Order for Junior Water
Rights Upstream of Angostura Reservoir for 1991
Irrigation Season.

The recent rains in the Upper Cheyenne River Basin have provided large inflows for Angostura Reservoir. Now that Angostura Reservoir has filled, the shutoff order for all junior water rights upstream of the reservoir is rescinded for the 1991 irrigation season.

If you have any questions, please contact Mark Rath or Del Brosz (605) 773-3352.

CERTIFICATION

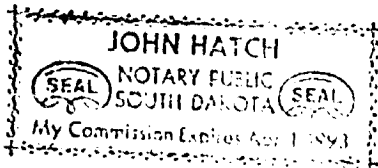
I hereby certify that on March 25, 1992, I have personally deposited with the United States Mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated March 25, 1992, regarding Shut Off Order for Junior Water Right Holders Upstream of the Angostura Irrigation District addressed as stated on the attached list:

High Street

Cheryl F. Frost
Secretary

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

Sworn to, before me, this 26th day of March, 1992.



John S. Sells
Notary Public



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 25, 1992

1614-2

NOTICE

TO: IRENE R ANDERSON
HCR 59 BOX 20
EDGEMONT, SD 57735

FROM: JOHN HATCH, CHIEF ENGINEER
Water Rights Division
(605) 773-3352

SUBJECT: Shut Off Order for Junior Water Right Holders Upstream
of the Angostura Irrigation District.

Please be advised that effective immediately no diversions of water will be allowed under your Water Right No. 1614-2 which is junior in priority to Water Right No. US579-2 held by the US Bureau of Reclamation for the Angostura Irrigation District.

On March 20, 1992 the water elevation in Angostura Reservoir was 4.4 feet and 19,164 acre feet below full. Reservoir storage levels will be closely monitored. If inflows increase such that the reservoir will fill, this shut off order will be rescinded at that time.

All water rights above Angostura Reservoir will be monitored until the reservoir has filled. I am asking for your cooperation in complying with this order.

If you have any questions, please contact Del Brosz or Mark Rath, Division of Water Rights, 523 E Capitol Ave, Pierre, SD 57501. Phone (605) 773-3352.

FIRM NO	FIRST NAME	LAST NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP CODE	FIRM	FIRM
651-2		A & T CATTLE CO	TCM LANDERS	ST RT	NOT SPRINGS	SD	57747		
308-2	RICHARD	ANDERSON	A CHAR ANDERSON	HCR 59 BOX 18	FITCHMONT	SD	57735		
1614-2	IRENE E	ANDERSON		HCR 59 BOX 20	FITCHMONT	SD	57735		
324-2		R & H PANH INC	R F CHILDERS	PO BOX 722	FITCHMONT	SD	57735		
534-2		RAIL FROS		BOX 617	FITCHMONT	SD	57735		
1895-2	LESTER I	BARDLEY		BOX 740	FITCHMONT	SD	57735		
1693-2	NICK/MICHAEL	BOGNER	ANTH BOGNER JR	HC 46 BOX 24	OPPERICHS	SD	57763	1734-2	
755-2		GRAINERD INDIAN SCHOOL			NOT SPRINGS	SD	57747		
858-2	WAYNE F	CHILDERS		HCR 59 BOX 1A	FITCHMONT	SD	57735		
616-2	V L	CHILDERS		BOX 722	FITCHMONT	SD	57735		
656-2	OSCAR	COFF			OPPERICHS	SD	57763		
1934-2	JOHN	DEGERING		SR 1 BOX 136	LUSK	WY	82225		
567-2	HAROLD E	DODSON		HCR 59 BOX 54	FITCHMONT	SD	57735	1416-2	
2058-2	LEROY/BERNHA	DUNSON		HC 48 BOX 248	PROVO	SD	57774		
1945-2	DAVID M	DUNBAR		RR BOX 32	OPPERICHS	SD	57763		
784-2		HAID BROTHERS, INC.	CARL P HAID, PRES	HCR 46 BOX 5	OPPERICHS	SD	57763	1695-2	
624-2	HERMAN	HECK		BOX 441	FITCHMONT	SD	57735		
540-2	DARRELL E	HELMAN		BOX 402	FITCHMONT	SD	57735		
1873-2	DORA R	HENDERSON	ATT 265	5141 INDIAN RIVER	LAS VEGAS	NV	89103		
1980-2	DOE M	HENRY		BOX 276	ARMORE	SD	57715		
379-2	HENRY C	HOLLENBECK		DEWEY ROUTE	FITCHMONT	SD	57735		
1593-2		HU RANCH INC	SD CORPORATION	HCR 59 BOX 102	FITCHMONT	SD	57735		
350-2	DARREL D	HUNTER		BOX D	ARMORE	SD	57715		
1611-2	JAMES/PATRICIA	JOHNSTON		HC 68 BOX 7	LAKESTIDE	NE	69351		
18710-2	JIM	KANE		BOX 19A	PROVO	SD	57774		
763-2	CARL	KANVOLT	ATT 207	BLANIE HOTEL	CHADRON	NE	69337		
1496-2	JOHN W	KOLIFR		BOX 715	FITCHMONT	SD	57735		
856-2	A J	LANDERS	STAR CATTLE CO	BOX 1599 HCR 51	NOT SPRINGS	SD	57747		
1810-2	R L/ALLEN	LAWRENCE		BOX 759	TIOGA	ND	58852		
676-2	WELVIN	LUIF			NOT SPRINGS	SD	57747		
17995-2	JOHN D(JACK)	MANKE	(FSTATE)	PR 41 BOX 179C	NOT SPRINGS	SD	57747		
11447-2	KENNETH	MARTINSON		BOX 361	FITCHMONT	SD	57735		
785-2	ARLITH W	MCLAIN		BOX 164	OPPERICHS	SD	57763		
410-2	RALPH L	MEFFERD, JR		HCR 48 BOX 22	PROVO	SD	57774		
1973-2	A J	NELSON		PROBAIN'S STAGE	WILKS CITY	WY	59301		
2015-2		PETERSON & SON, INC		HCR 59 BOX 14	FITCHMONT	SD	57735		
1016-2	PAUL A JEAN	PETTY	A NOREEN PETTY	HCR 52 BOX 136	NOT SPRINGS	SD	577479603		
1716-2	WELVIN	PORTER		W10 RT BOX 17	FITCHMONT	SD	57735		
711-2	DONALD	PUINAM		BOX 188	OPPERICHS	SD	57763	2043-2	
1734-2	GLEN	REASER		HC 46 BOX 48	OPPERICHS	SD	57763		
572-2	STWARD/WANDA	REUTTER		HCR 59 BOX 90	FITCHMONT	SD	57735	1789-2	
293-2	CHANCE/RETXI	REYPOLE		HCR 59 BOX 24	FITCHMONT	SD	57735	234-2	
669-2	OLIVER M	ROWEY		BOX 175	OPPERICHS	SD	57763		
718-2	VERNON	SCHNOSE		ST RT BOX 155	NOT SPRINGS	SD	57747	1700-2	
1649-2		SEGER RANCH INC		BOX 95	OPPERICHS	SD	57763	571-2	1837-2
927-2	BERNARD D	SIMONS		BOX 341	FITCHMONT	SD	57735		
1737-2	ROBERT/MARK	TIVERS		BOX 563	FITCHMONT	SD	57735		
1019-2		WAR BOWNET RANCH LTD	BOX 132	105 E 5TH ST	MURDO	SD	57559		
392-2	VINCENT M	WASSERBURGER		BOX 83	ARMORE	SD	57715	853-2	2115-2



1614-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 12, 1993

1614-2

NOTICE

TO: IRENE R ANDERSON
HCR 59 BOX 20
EDGEMONT, SD 57735

FROM: *for* JOHN HATCH, CHIEF ENGINEER
Water Rights Division
(605) 773-3352

Del Brosz

SUBJECT: Shutoff Order for Junior Water Right Holders Upstream
of the Angostura Irrigation District.

Effective immediately no diversions of water under your Water Right No. 1614-2 are authorized. Your water right is junior in priority to the US Bureau of Reclamation Water Right No. 579-2 (April 11, 1941 priority date). The Bureau of Reclamation water right for the Angostura Irrigation District allows one annual fill of the reservoir.

The amount of water required for one annual fill of Angostura Reservoir as of January 1, 1993 was 45,402 acre feet. On March 9, 1993 the water elevation in Angostura Reservoir was 10.2 feet and 41,305 acre feet below full. Reservoir storage levels will be closely monitored. If inflows increase and the reservoir will fill, this shutoff order will be rescinded. Any 1993 irrigation releases from the reservoir will be included in the inflow calculations.

All water rights above Angostura Reservoir will be monitored until the reservoir has filled. I am asking for your cooperation in complying with this order.

If you have any questions, please contact Del Brosz or Mark Rath, Division of Water Rights, 523 E Capitol Ave, Pierre, SD 57501. Phone (605) 773-3352.

cc: US Bureau of Reclamation
Angostura Irrigation District

1614-2

CERTIFICATION

I hereby certify that on March 12, 1993, I have personally deposited with the United States Mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated March 12, 1993, regarding Shutoff Order for Junior Water Right Holders Upstream of the Angostura Irrigation District addressed as stated below, and on the attached:

Copy Sent To:

Bruce Laymon, U.S. Bureau of Reclamation, Belle Fourche Projects Office, P.O. Box 226, Newell, SD 57760.

Joseph Kramer, Manager, Angostura Irrigation District, P.O. Box 346, Oral, SD 57766.

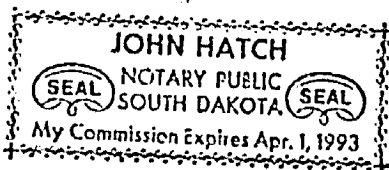
Cheryl F. Frost

Cheryl F. Frost
Secretary

STATE OF SOUTH DAKOTA)
COUNTY OF HUGHES) SS

Sworn to, before me, this 15th day of March, 1993.

John Hatch
Notary Public





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

April 14, 1993

1614-2

RESCISSION OF SHUTOFF ORDER

TO: IRENE R ANDERSON
HCR 59 BOX 20
EDGEMONT, SD 57735

FROM: JOHN HATCH, CHIEF ENGINEER
Water Rights Division
(605) 773-3352

SUBJECT: Rescission of the Shutoff Order for Junior Water Right
Holders Upstream of the Angostura Irrigation District
for the 1993 Irrigation Season.

Recent wet conditions in the Upper Cheyenne River Basin have provided large inflows and the Angostura Reservoir is expected to fill shortly. The shutoff order for all junior water rights upstream of the reservoir is rescinded for the 1993 irrigation season.

If you have any questions, please contact Del Brosz or Mark Rath, Division of Water Rights, 523 E Capitol Ave, Pierre, SD 57501. Phone (605) 773-3352.

cc: US Bureau of Reclamation
Angostura Irrigation District

1614-2



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

December 23, 1994

Irene R Andersen
HCR 59, Box 20
Edgemont SD 57735 9707

1614 2

Dear Ms. Andersen:

I am writing in response to your question received on December 19 concerning the annual water rights fee proposal.

All of the proposed fees are based on the condition of holding a water right, not on water usage. Therefore, the intent is to assess the fee annually even if no water is used. In the case of irrigation, the number of permitted acres is the basis for setting the fee amount.

The fee proposal was not based on water usage for the following reasons:

- 1) Irrigators would be faced with the problem of metering water use for a usage-based fee system. Meters are expensive and require maintenance. Many gravity irrigation systems would be extremely difficult or impossible to meter.
- 2) The fee system, as proposed, requires less bureaucracy to implement than a water usage fee system. Water use reporting would be required for all water users and some checking of meters would probably be needed. Assigning a fee amount based on criteria on the water right is more objective and easier to document than a fee system based on water use.

Even though you may not be able to use your water right every year, there is long term maintenance associated with all water rights. A water right is much like a property right and remains in effect as long as the water right is not forfeited or abandoned. The Water Rights Division is responsible for managing the allocation of the state's water resources which includes protecting existing water rights.

I realize that these proposed fees are not popular. As noted in the proposal, we are not trying to expand the Division. The proposal is to recover a portion of our budget shortfall. At this point, I do not know if the fee proposal will be introduced as legislation during the 1995 session. The Office of the Governor will make the final determination on introduction of legislation.

Please let me know if you have any further questions (605) 773-3352.

Sincerely,

Ron Duvall
Natural Resources Engineer
Water Rights Division

1614-2



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 15, 1995

1614-2

NOTICE

TO: IRENE R ANDERSON
HCR 59 BOX 20
EDGEMONT, SD 57735

FROM: John Hatch, Chief Engineer
Water Rights Division
(605) 773-3352

SUBJECT: Shutoff Order for Junior Water Right Holders
Upstream of the Angostura Irrigation District.

Effective immediately no diversions of water under your Water Right No. 1614-2 are authorized. Your water right is junior in priority to the US Bureau of Reclamation Water Right No. US579-2 (April 11, 1941 priority date). Water Right No. US579-2 allows one annual fill of the reservoir.

On March 14, 1995, the water elevation in Angostura Reservoir was 7 feet and 30,000 acre feet below full. The Division of Water Rights, in cooperation with the Bureau of Reclamation, will closely monitor the reservoir storage level. If inflows increase and the reservoir will fill, this shutoff order will be rescinded. Any 1994 irrigation releases from the reservoir will be included in the inflow calculations.

The Division of Water Rights will monitor all water rights above Angostura Reservoir until the reservoir has filled. I am asking for your cooperation in complying with this order.

If you have any questions, please contact Del Brosz or Rassool Ahadi, Division of Water Rights, 523 E. Capitol Ave, Pierre, SD 57501. Phone (605) 773-3352.

cc: US Bureau of Reclamation
Angostura Irrigation District



1614-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

May 26, 1995

1614-2

RESCISSION OF SHUTOFF ORDER

TO: IRENE R ANDERSON
HCR 59 BOX 20
EDGEMONT, SD 57735

FROM: *for* John Hatch, Chief Engineer
Water Rights Division
(605) 773-3352

SUBJECT: Rescission of the Shutoff Order for Junior Water Right Holders Upstream of the Angostura Reservoir for 1995 Irrigation Season.

Recent wet conditions in the Upper Cheyenne River Basin have provided large inflows and the Angostura Reservoir is expected to fill shortly. The shutoff order for all junior water rights upstream of the reservoir is rescinded for the 1995 irrigation season.

If you have any questions, please contact Del Brosz or Rassool Ahadi, Division of Water Rights, 523 E. Capitol Ave., Pierre, SD 57501.

cc: US Bureau of Reclamation
Angostura Irrigation District

L



1614-2
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 14, 2000

NOTICE

TO: IRENE R ANDERSEN, HCR 59 BOX 20, EDGEMONT, SD 57735 9707
FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 1999 Irrigation Questionnaire(s)

Our records indicate that the 1999 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 1614-2. The request for the Questionnaire was dated October 7, 1999. The Water Management Board has directed that owners of water permits who have not submitted the 1999 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) 1614-2 qualification:

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

The hearing will be held at 1:30 pm, March 1, 2000 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) 1614-2 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, 2000, 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.

2/23/2000 - this was the wrong
letter - should have been
"amend" letter. Jm

1614-2

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

IRENE R ANDERSEN
HCR 59 BOX 20
EDGEMONT SD 57735 9707

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

1-15-00

C. Signature

Irene R. Andersen

☐ Agent

☐ Addressee

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number (Copy from service label)

702271480 412811

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-17P9



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 23, 2000

1614-2

Irene Andersen
HCR 59 Box 20
Edgemont, SD 57735-9707

Dear Mrs. Andersen:

Thank you for visiting with me today about your 1999 irrigation questionnaire. I completed a form for you based on our phone conversation. You may disregard the January 14, 2000, "Notice" concerning reporting requirements for Water Permit No. 1614-2.

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

Thank you again Irene and if you have any questions, please contact me.

Sincerely,

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



1614-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 16, 2002

NOTICE

TO: IRENE R ANDERSEN, HCR 59 BOX 20, EDMONT, SD 57735 9707

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2001 Irrigation Questionnaire(s)

Our records indicate that the 2001 Irrigation Questionnaire has not been submitted for Permit No(s) 1614-2. The request for the Questionnaire was dated October 12, 2001. The Water Management Board has directed that owners of water permits who have not submitted the 2001 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

The hearing will be held at 10:00 am, March 13, 2002, in the Visitor Center (west bank of Capitol Lake), 650 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 i-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 1614-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

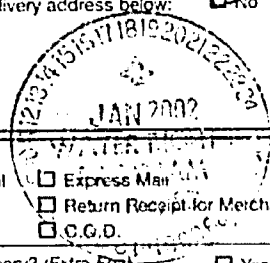
The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by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

If the questionnaire(s) is(are) received in this office on or before March 8, 2002, your name will be deleted from the Board agenda. If you have any questions or need assistance with 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.

1614-2

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Received by (Please Print Clearly) _____ B. Date of Delivery <u>1/17/02</u>	
1. Article Addressed to: IRENE R ANDERSEN HCR 59 BOX 20 EDGEMONT SD 57735 9707		C. Signature <u>X Irene R. Andersen</u> ☐ Agent ☒ Addressee D. Is delivery address different from item 1: <u>Yes</u> If YES, enter delivery address below: ☐ No	
		3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.G.D.	
		4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. 7001 2510 0004 4797 5552			





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 5, 2002

1614-2

Keith Andersen
HC 59 Box 21
Edgemont SD 57735

Dear Mr. Andersen:

I am writing to acknowledge receipt of the 2001 irrigation questionnaire for Water Right No. 1614-2. You may disregard the January 16, 2002, "Notice" concerning reporting requirements for Water Right No. 1614-2. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

Enclosed, as we discussed, is a partially completed "Notice of Transfer of Ownership" form for use in filing the ownership change. Please review the form and make any necessary corrections or additions. Upon completion, please sign the form in the presence of a notary public and return it to our office with a required filing fee of \$2.50. The check or money order for the fee can be made payable to the Water Rights Program.

If you have any questions, please contact me.

Sincerely,

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

May 17, 2002

1614-2

Keith Andersen
HC 59 Box 21
Edgemont, SD 57735

Dear Mr. Andersen:

On February 5th, in response to our telephone conversation, I mailed a Notice of Transfer of Ownership form to you for transferring Water Right No. 1614-2 from Irene Andersen to your name. I am writing as a reminder that we have not yet received the transfer form from you.

In the event you no longer have the original form, enclosed is an additional one. Please review the form and make any necessary corrections. Upon completion, please sign the form in the presence of a notary public and return it to our office with a required filing fee of \$2.50. The check or money order for the fee can be made payable to the Water Rights Program.

If you no longer wish to have the water right transferred, please give me a call. Thank you in advance for your help.

Sincerely,

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

enclosure

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 1614-2

Date: May 22, 2002

I/We request that Water Right No. 1614-2

formerly owned by: Irene R Andersen

be transferred to: (name & address) Keith Andersen, HC 59 Box 21, Edgemont, SD 57735

Telephone No. 605 662-7136

Title to the following described land(s)/property has been transferred as described above:

32.5 acres - S 1/4 SW 1/4, SW 1/4 SE 1/4, Section 17 and NW 1/4 NE 1/4 Section 20, T7S, R1E

I/We understand that the validity of Water Right No. 1614-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

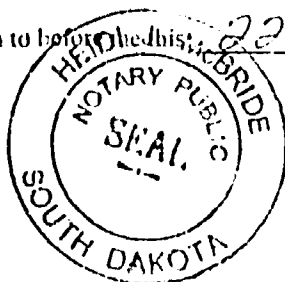
STATE OF SOUTH DAKOTA)

County of Fall River)

I/We Keith Andersen being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

Keith E Andersen
(Signed by new owner)

Subscribed and sworn to before me this 22nd day of May, 20 02



RECEIVED
MAY 28 2002
WATER RIGHTS
PROGRAM

Heidi McBride
(Notary Public)

My Commission Expires: 03-16-07

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

May 28, 2002

1614-2

Keith Andersen
HC 59 Box 21
Edgemont, SD 57735

Dear Mr. Andersen:

I am writing to acknowledge receipt and to thank you for sending in the Notice of Transfer of Ownership form for Water Right No. 1614-2.

Prior to the transfer being completed, statutes require us to charge a \$2.50 filing fee for the transfer. My first letter may not have been clear with respect to the fee.

Please remit a total of \$2.50 as soon as possible. The check or money order for the fee can be made payable to the Water Rights Program.

Thank you in advance for your help.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

№ 417180

Pierre, June 10, 20 02

RECEIVED OF Andersen Ranch, Marie Andersen, Box 252, Edgemont, SD 57735
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. _____

Fee for Filing Transfer Form 1614-2

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

2 50

2 50

By

Darland Erbe
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 10, 2002

1614-2

Keith Andersen
HC 59 Box 21
Edgemont, SD 57735

Dear Mr. Andersen:

Thank you for following up on the ownership change for Water Right No. 1614-2. The transfer has been completed. The water right, formerly listed in the name of Irene Andersen is now listed in your name.

Enclosed is your Receipt No. 417180 in the amount of \$2.50 which you paid for filing the transfer of ownership.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Genny McMath'.

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

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 30, 2004

NOTICE OF SHUTOFF ORDER

TO: KEITH ANDERSEN
HCR 59 BOX 21
EDGEMONT SD 57735

FROM: GARLAND ERBELE, Chief Engineer
Water Rights Program *Garland Erbele*

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

Shutoff Order for Water Right Nos. 1614-2

To protect the US Bureau of Reclamation's Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of junior water rights upstream of Angostura Dam will be allowed. On April 30, 2004, the water elevation in Angostura Reservoir was 3179.1 feet, a little over 8 feet below the full elevation of 3187.2 feet. Current storage is at 96,912 acre-feet, about 33,850 acre-feet below full and inflows are only about 38 acre-feet per day.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until December 31, 2004.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath or Don Stroup with the Water Rights Program at (605) 773-3352. Thank you.



1614-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 15, 2005

NOTICE OF SHUTOFF ORDER

TO: KEITH ANDERSEN
HCR 59 BOX 21
EDGEMONT SD 57735

FROM: GARLAND ERBELE, Chief Engineer
Water Rights Program

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

Shutoff Order for Water Right Nos. 1614-2

To protect the US Bureau of Reclamation's Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of junior water rights upstream of Angostura Dam will be allowed. On March 8, 2005, the water elevation in Angostura Reservoir was 3169.5 feet, almost 18-feet below the full elevation of 3187.2 feet. Storage is at 65,521 acre-feet, about 73,240 acre-feet below full and inflows are 14.9 acre-feet per day.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath or Don Stroup with the Water Rights Program at (605) 773-3352. Thank you.

NOT TO SCALE

46047-1

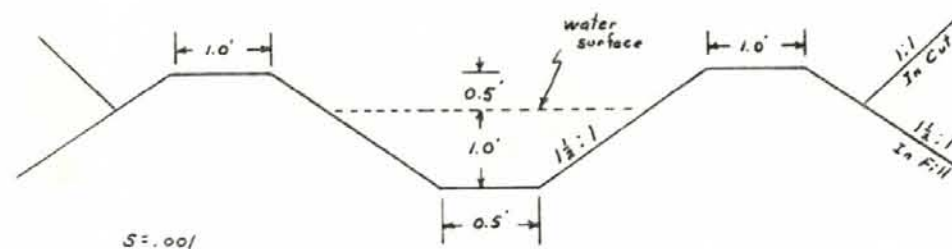


NOT TO SCALE



Edwin H. Andersen, Owner

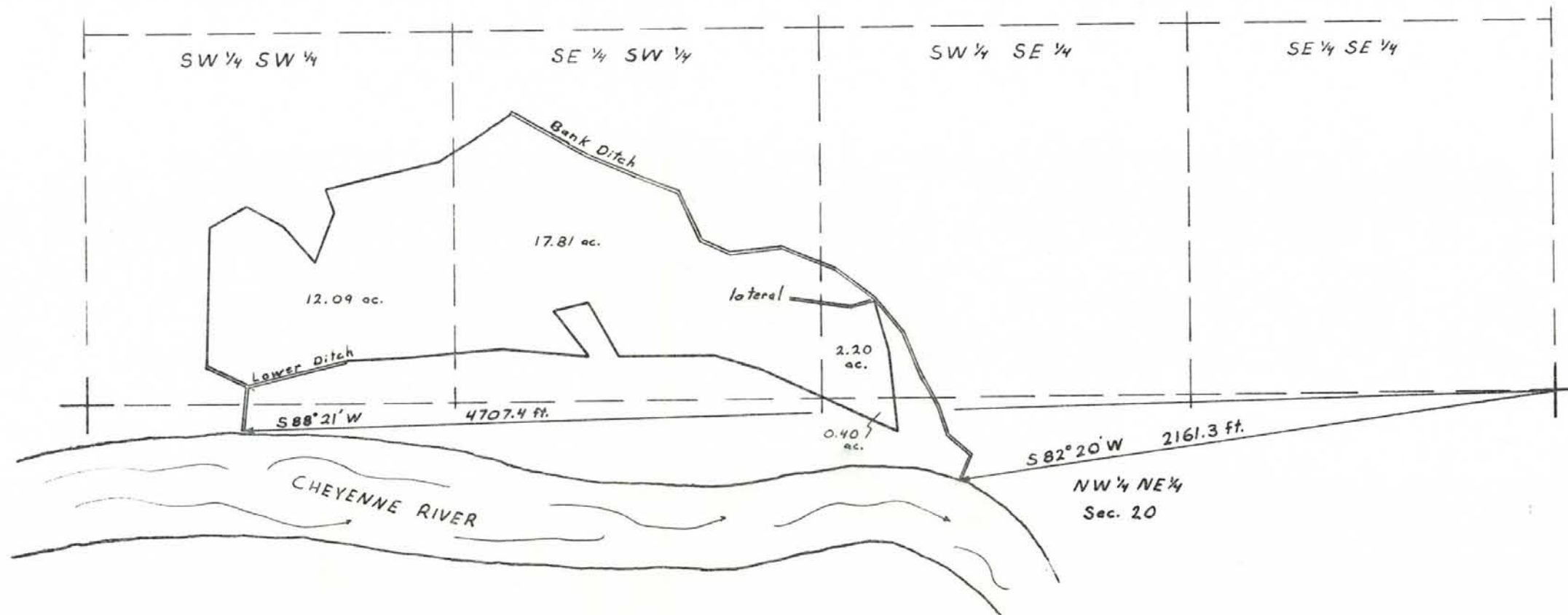
Location	Acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 17, T7S, R1E	12.09
SE $\frac{1}{4}$ SW $\frac{1}{4}$ " "	17.81
SW $\frac{1}{4}$ SE $\frac{1}{4}$ " "	2.20
NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 20, T7S, R1E	0.40
Total	32.50 ac.



Bank Ditch 2328' Long

Lower Ditch 694' Long

SECTION 17, T7S, R1E



Scale 1" = 500'

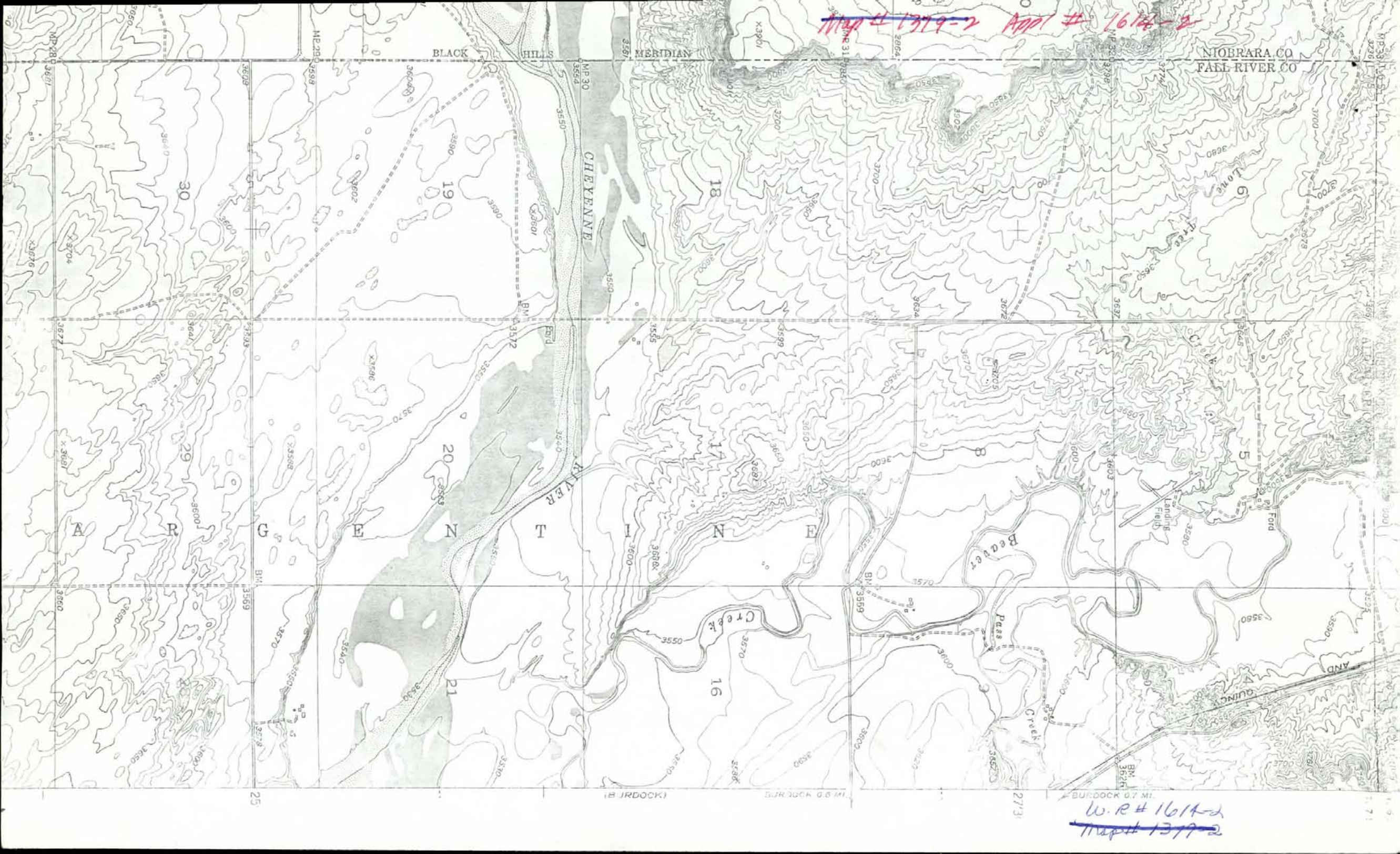
MAP

Showing Proposed Location of

ANDERSEN #1 DIVERSION

W.R. # 1614-2
Map # 1379-2

I, Keith E. Andersen of Edgemont, S.D.,
hereby certify that I have surveyed the
proposed diversion and have prepared this



Map # 1379-2 App # 1614-2

NIORARA CO
FALL RIVER CO

W. R. # 1614-2
Map # 1379-2



IN REPLY REFER TO:

DK-700
PRJ 13.00

1614-2

United States Department of the Interior

BUREAU OF RECLAMATION
Dakotas Area Office
Rapid City Field Office
515 9th St., Room 101
Rapid City, South Dakota 57701

FEB 24 2006



Mr. Garland Erbele
Chief Engineer
Water Rights Division
South Dakota Department of Environment and Natural Resources
523 E. Capitol
Pierre, South Dakota 57501-3181

RECEIVED
FEB 27 2006
WATER RIGHTS
PROGRAM

Subject: Request for Junior Water Rights Shut Off Order - Angostura Reservoir, South Dakota

Dear Mr. Erbele:

We request that the State of South Dakota's Department of Environment and Natural Resources Water Rights Division issue shut off orders to junior water right holders on the Cheyenne River above Angostura Reservoir.

Angostura Reservoir is presently at elevation 3169.90, which is a little over 17 feet down from full (top of conservation or full is at elevation 3187.2). On February 24, 2005, the storage in Angostura Reservoir is about 60,000 acre-feet, which is 63,000 acre-feet from full. If the spring weather continues to be dry, the water right at Angostura will not be satisfied.

If you have questions, please contact Curt Anderson or me at 605-394-9757.

Sincerely,

For Jeffrey L. Nettleton
Rapid City Field Office Manager

cc: Ms. Sue Lowry
Administrator
Interstate Streams Division
Wyoming State Engineer's Office
Herschler Building 4E
Cheyenne, WY 82002

Mr. Mick Jenniges
Manager
Angostura Irrigation District
P.O. Box 346
Oral, SD 57766



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 10, 2006

NOTICE OF SHUTOFF ORDER

TO: KEITH ANDERSEN
HCR 59 BOX 21
EDGEMONT SD 57735

FROM: GARLAND ERBELE, Chief Engineer
Water Rights Program

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

Shutoff Order for Water Right Nos. 1614-2

To protect the US Bureau of Reclamation's Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of junior water rights upstream of Angostura Dam will be allowed. On March 7, 2006, the water elevation in Angostura Reservoir was 3170.3-feet, almost 17-feet below the full elevation of 3187.2-feet. Storage is at 64,524 acre-feet, about 74,237 acre-feet below full. Angostura Reservoir is not expected to fill with the current low inflows.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath or Don Stroup with the Water Rights Program at (605) 773-3352. Thank you.

1614-2



IN REPLY REFER TO:

DK-700
PRJ 13.00

United States Department of the Interior

BUREAU OF RECLAMATION
Dakotas Area Office
Rapid City Field Office
515 9th St., Room 101
Rapid City, South Dakota 57701

FEB 24 2006



Mr. Garland Erbele
Chief Engineer
Water Rights Division
South Dakota Department of Environment and Natural Resources
523 E. Capitol
Pierre, South Dakota 57501-3181

RECEIVED
FEB 27 2006
WATER RIGHTS
PROGRAM

Subject: Request for Junior Water Rights Shut Off Order - Angostura Reservoir, South Dakota

Dear Mr. Erbele:

We request that the State of South Dakota's Department of Environment and Natural Resources Water Rights Division issue shut off orders to junior water right holders on the Cheyenne River above Angostura Reservoir.

Angostura Reservoir is presently at elevation 3169.90, which is a little over 17 feet down from full (top of conservation or full is at elevation 3187.2). On February 24, 2005, the storage in Angostura Reservoir is about 60,000 acre-feet, which is 63,000 acre-feet from full. If the spring weather continues to be dry, the water right at Angostura will not be satisfied.

If you have questions, please contact Curt Anderson or me at 605-394-9757.

Sincerely,

For Jeffrey L. Nettleton
Rapid City Field Office Manager

cc: Ms. Sue Lowry
Administrator
Interstate Streams Division
Wyoming State Engineer's Office
Herschler Building 4E
Cheyenne, WY 82002

Mr. Mick Jenniges
Manager
Angostura Irrigation District
P.O. Box 346
Oral, SD 57766



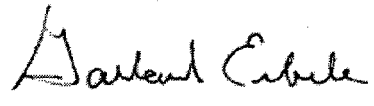
**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 9, 2007

NOTICE OF SHUTOFF ORDER

TO: KEITH ANDERSEN
HCR 59 BOX 21
EDGEMONT, SD 57735

FROM: GARLAND ERBELE, Chief Engineer
Water Rights Program 

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

Shutoff Order for Water Right Nos. 1614-2

To protect the US Bureau of Reclamation's Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of junior water rights upstream of Angostura Dam will be allowed. On March 9, 2007, the water elevation in Angostura Reservoir was 3166.9-feet, 20.3-feet below the full elevation of 3187.2-feet. Storage is at 51652 acre-feet, about 87109 acre-feet below full. Angostura Reservoir is not expected to fill with the current low inflows.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath at (605) 773-3352 or Aaron Tieman at (605) 394-2229 with the Water Rights Program. Thank you.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 19, 2008

NOTICE OF SHUTOFF ORDER

TO: KEITH ANDERSEN
27360 S FLAT TOP RD
EDGEMONT SD 57735

FROM: GARLAND ERBELE, Chief Engineer
Water Rights Program

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

Shutoff Order for Water Right Nos. 1614-2

The US Bureau of Reclamation holds Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941. To protect this right, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of water rights junior to the priority date of April 11, 1941 upstream of Angostura Dam will be allowed. On March 17, 2008, the water elevation in Angostura Reservoir was 3168.8-feet, 18.4-feet below the full elevation of 3187.2-feet. Storage is at 56785 acre-feet, about 66263 acre-feet below full. Angostura Reservoir is not expected to fill with the current low inflows.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath at (605) 773-3352 or Aaron Tieman at (605) 394-2229 with the Water Rights Program. Thank you.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 19, 2009

NOTICE OF SHUTOFF ORDER

TO:

KEITH ANDERSEN
27360 S FLAT TOP RD
EDGEMONT SD 57735

FROM:

GARLAND ERBELE, Chief Engineer
Water Rights Program

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

Shutoff Order for Water Right Nos. 1614-2

The US Bureau of Reclamation holds Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941. To protect this right, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of water rights junior to the priority date of April 11, 1941 upstream of Angostura Dam will be allowed. On March 18, 2009, the water elevation in Angostura Reservoir was 3176.7-feet, 10.5-feet below the full elevation of 3187.2-feet. Storage is at 80792 acre-feet, about 42256 acre-feet below full. Angostura Reservoir is not expected to fill with the current low inflows.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath at (605) 773-3352 or Aaron Tieman at (605) 394-2229 with the Water Rights Program. Thank you.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

March 06, 2013

NOTICE OF SHUTOFF ORDER

TO: KEITH ANDERSEN
27360 S FLAT TOP RD
EDGEMONT SD 57735

FROM: GARLAND ERBELE, Chief Engineer
Water Rights Program

Garland Erbele

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of
Angostura Dam

**Shutoff Order for
Water Right Nos. 1614-2**

The US Bureau of Reclamation holds Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941. To protect this right, the Bureau of Reclamation has asked that we issue shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River and tributaries by holders of water rights junior to the priority date of April 11, 1941 upstream of Angostura Dam will be allowed. On March 05, 2013, the water elevation in Angostura Reservoir was 3176.8-feet, 10.4-feet below the full elevation of 3187.2-feet. Storage is at 81068 acre-feet, about 41980 acre-feet below full. Angostura Reservoir is not expected to fill with the current low inflows.

The Angostura Reservoir storage level will be closely monitored and if the Cheyenne River flows upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Mark Rath at (605) 773-3352 or Aaron Tieman at (605) 394-2229 with the Water Rights Program. Thank you.

CERTIFICATION

I hereby certify that on March 6, 2013, I have personally deposited with the United States mail at Pierre, South Dakota, first class postage, prepaid envelope(s) containing a Notice dated March 6, 2013 regarding shut-off orders addressed as stated below:

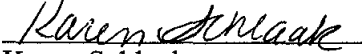
LAST_NAME	FIRST_NAME	ADDRESS2	CITY	STATE	ZIP
INDIAN CREEK CATTLE LLP		32296 190TH ST	SLEEPY EYE	MN	56085
INDIAN CREEK LAND & CATTLE LLC		PO BOX 538	EDGEMONT	SD	57735
WEINREIS BROTHERS		230908 HIGHLAND RD	SCOTTSBLUFF	NE	69361
SEGER RANCH INC		RR 1 BOX 100A1	HOT SPRINGS	SD	57747
REUTTER	EDWARD/WANDA	HCR 59 BOX 90	EDGEMONT	SD	57735
WASSERBURGER	MARTIN W & E DALLAS	30131 CASCADE RD	ARDMORE	SD	57735
HALD BROTHERS INC		30195 HIGHWAY 385	OELRICHS	SD	57763
GCC DACOTAH INC		PO DRAWER 360	RAPID CITY	SD	57709
FALKENBURG	JOE/NANCY	PO BOX 69	EDGEMONT	SD	57735
ANDERSEN	DONALD J/LYNDA J	10194 ARGENTINE RD	BURDOCK	SD	57735
ANDERSEN	KEITH	27360 S FLAT TOP RD	EDGEMONT	SD	57735
ANDERSON	DALE & JEANETTE	1401 TOMPKINS ST	RAPID CITY	SD	57701
B & H RANCH INC		900 W 7TH ST	CHADRON	NE	69337
BACHAND	DOUG & LORI	HC 48 BOX 248	PROVO	SD	57774
BALL BROS		BOX 527	EDGEMONT	SD	57735
BIRDSALL	JIM OR SHERYL	28086 ANGOSTURA RD	HOT SPRINGS	SD	57747
BOGNER	NICK/EUGENE	HC 46 BOX 24	OELRICHS	SD	57763
BOGNER	NICK/MICHAEL	29599 BLACK BANKS RD	OELRICHS	SD	57763
BRAINERD INDIAN SCHOOL		PO BOX 7038	RAPID CITY	SD	57709
CHILDERS	V L	900 W 7TH ST	CHADRON	NE	69337
COPE	OSCAR	PO BOX 147	OELRICHS	SD	57763
COPE RANCH		14160 SHIRK CREEK RD	OELRICHS	SD	57763
DUNBAR	DAVID M	HC 46 BOX 48A	OELRICHS	SD	57763
HENDERSON	DORA R	11507 HWY 471	EDGEMONT	SD	57735
HINESLEY	TED AND GAIL	103 W AVE A	BISMARCK	ND	58501
HOLLENBECK	HENRY C	665 OAK ST	EDGEMONT	SD	57735
HOLLENBECK	MARK J	27772 ELBOW CANYON RD	EDGEMONT	SD	57735
HOLLENBECK	PAT OR TAMMY	665 OAK ST	EDGEMONT	SD	57735
HU RANCH INC		28469 OLD HWY18	EDGEMONT	SD	57735
HUBER	GAYLE & LINDA	28797 LENNON SCHOOL RD	OELRICHS	SD	57763
HUNTER	ROSS J	30068 HAT CREEK RD	EDGEMONT	SD	57735
KOLLER	JOHN W	PO BOX 715	EDGEMONT	SD	57735
LANDERS	A J	BOX 159B HCR 52	HOT SPRINGS	SD	57747
LANDERS LIVESTOCK CO INC		29088 ASH CREEK RD	HOT SPRINGS	SD	57747
MANKE LAND & CATTLE CO LLC		PO BOX 599	EDGEMONT	SD	57735
MARTINSON	KENNETH	BOX 361	EDGEMONT	SD	57735
NELSON	A J	503 S CENTER AVE	MILES CITY	MT	59301
PETERSON & SON INC		27389 BURDOCK LOOP	BURDOCK	SD	57735
PORTER	EVERETT	10413 MOSS AGATE RD	EDGEMONT	SD	57735
PUTNAM	DONALD	BOX 188	OELRICHS	SD	57763
PUTNAM RANCH INC	DONALD	BOX 188	OELRICHS	SD	57763
QUINTO LTD		PO BOX 69	EDGEMONT	SD	57735
ROMEY	JOHN R OR TRACY	29773 HARD SCRABBLE RD	OELRICHS	SD	57763
SCHNOSE	ROBERT A & KIMBERLY L	29037 OLD HWY 79	OELRICHS	SD	57763

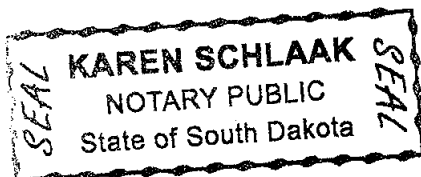
SCHNOSE	VERNON	12685 MAITLAND RD	HOT SPRINGS	SD	57747
SEABECK	DORIS SEABECK &	2533 PARK AVE	LARAMIE	WY	82070
SIMONS	THOMAS	BOX 381	EDGEMONT	SD	57735
TUBBS LAND & CATTLE LLC	BERNARD D	10891 RIVER RD	EDGEMONT	SD	57735
WALKER	FRED S & CYNTHIA K	30301 CASCADE RD	ARDMORE	SD	57735
WYOMING DAKOTA RAILROAD	WAYNE F	120 S 6TH ST - 9TH FLOOR	MINNEAPOLIS	MN	55402
PROPERTIES INC					


 Gail Jacobson
 Secretary/Water Rights

STATE OF SOUTH DAKOTA)
) SS
 COUNTY OF HUGHES)

Sworn to, before me, this 6th day of March, 2013.


 Karen Schlaak
 Notary Public
 My Commission expires April 1, 2013





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

RAPID CITY ONE-STOP
221 MALL DRIVE, SUITE 201
RAPID CITY, SD 57701
danr.sd.gov

KEITH ANDERSEN
27360 S FLAT TOP RD
EDGEMONT, SD 57735

1614-2

April 09, 2026

Dear Cheyenne River Water Right Holder:

Due to the ongoing drought I am advising Cheyenne River water right holders of the possibility of shutoff orders in 2026 for the river reach from the Wyoming-South Dakota state line to Angostura Dam. This is not a shutoff order.

As a result of the continuing lack of precipitation, tributary flows throughout the Cheyenne River basin remain well below the historical average. Angostura Reservoir ended March 12 feet below full (top of active conservation pool) and the current forecast throughout the summer months is not favorable for improved conditions.

This letter is only intended to give you advanced warning that your ability to divert water may be cut short this year. If shut-off orders are issued, you will receive another letter from the Department. In the meantime, water right holders can help by closely monitoring water usage to minimize use and trying to avoid wasting water.

South Dakota water law gives the highest priority to domestic use, which includes livestock watering. There is generally adequate water available to meet both domestic use and other needs. However, once water availability reaches critically low levels, other uses, including irrigation, will begin to interfere with domestic uses and senior water rights. If levels become critically low, the department must issue shut-off orders to protect domestic water uses and senior water rights. Once these orders are issued, the department will continue to monitor water availability and should conditions improve, the shutoff orders would be rescinded.

If you are interested, the US Geological Survey has an Internet site showing river flows at 150 stream gauging stations across the state. Go to <https://waterdata.usgs.gov/state/south-dakota/> and click on "View monitoring location page" for the USGS gages above Angostura Dam.

Thank you for your cooperation. If you have any questions, please contact Nakaila Steen or another member of the DANR-Water Rights Program at (605) 394-2229 (Rapid City Office) or (605) 773-3352 (Pierre Office).

Sincerely,

Adam Mathiowetz, PE
Acting Chief Engineer
Water Rights Program



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

RAPID CITY ONE-STOP
221 MALL DRIVE, SUITE 201
RAPID CITY, SD 57701
danr.sd.gov

June 05, 2026

TO: KEITH ANDERSEN
27360 S FLAT TOP
EDGEMONT, SD 57735

FROM: Adam Mathiowetz, PE
Acting Chief Engineer
Water Rights Program

SUBJECT: Shutoff Order for Junior Priority Date Water Rights Upstream of Angostura Dam

Shutoff Order for Water Permit No(s). 1614-2

The US Bureau of Reclamation holds Water Right No. US579-2 for Angostura Reservoir with a senior priority date of April 11, 1941. To protect this right, the Water Rights Program is issuing shutoff orders for junior water right holders. Effective immediately no diversions of water from the Cheyenne River or its tributaries, by holders of water rights junior to the priority date of April 11, 1941, upstream of Angostura Dam will be allowed. On June 03, 2026, the water elevation in Angostura Reservoir was 3173.87-feet, 13.3-feet below the fill elevation of 3187.2-feet (top of the conservation pool). Storage was at 71,519.0 acre-feet, which is approximately 51,529 acre-feet below full. At this time, Angostura Reservoir is not expected to fill with the current low inflows.

The Angostura Reservoir storage level will be closely monitored and if the flows in the Cheyenne River and its tributaries upstream of the dam increase such that the reservoir will fill, this shutoff order will be rescinded at that time. If conditions do not improve, this order will remain in effect until the end of the calendar year.

I am asking for your cooperation in complying with this shutoff order. If you have any questions, please contact Nakaila Steen at (605) 394-2229, or myself at (605) 773-3352 with the Water Rights Program. Thank you.

We would appreciate it if you would call Nakaila in our Rapid City office and provide an up-to-date phone number and email for faster communication on this matter. Thank you.