No. 632-2Water Division No. 2 WHITE RIVER DISTRICT WATER RESOURCES COMM.
(Blanks to be Filled by the Engineer for the W. R. C.)

~~VESTED RIGHT~~
APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable.)

1. Name of applicant City of Colome
 Postoffice address _____, County Tripp, State S. Dak

I. If a corporation _____

(a) Name of same _____

(b) Date and place of incorporation _____

(c) Amount of capital stock _____

(d) Amount paid in _____

(e) Names and addresses of directors _____

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

(a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor) _____

(b) Cash on hand, \$ Completed

(c) Treasury stock, \$ _____

(d) Bonds to be issued, \$ _____

(e) Other resources, \$ _____

2. Name of diversion work MUNICIPAL WATER SYSTEM3. Amount of water claimed 100 GPM or 122 cfs cubic feet per second4. Source of water supply GROUND WATER5. Location of point of diversion All 4 wells in SE¹SE⁴ Sec 31,T98N R75W on _____ bank Tripp County.6. Annual period or periods during which water is to be used Continuously

7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? _____

(a) Number of acres to be irrigated _____ acres.

(b) Legal subdivisions to be irrigated _____

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

(c) Statement as to domestic use (giving location, etc.) municipal suppliesfire protection

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

(a) Nature of use _____

Name any of the above uses claimed

(b) Amount of power to be generated _____ horse power.

Amount claimed for engine cooling _____

(c) Location of plant _____

(d) Method of developing power _____

(e) Point where water will be returned to stream _____

8. Estimated cost of work:

(a) Head Gates, \$.....

(b) Pumping plant, \$.....

(c) Fluming, \$.....

(d) Canal-earth, \$.....

Rock, \$.....

(e) Other structures \$.....

Total, \$.....

9. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

3 miles 8" line - 1/2 mi 6" line 2 mi. 4 line

II. Dimensions of works:

(a) Dam: Height.....feet; length at bottom.....feet; length at top.....feet; thickness at bottom.....feet; thickness at top.....feet; slope at front water face.....; slope at back face.....material used in construction.....

(b) Reservoir: Capacity when filled.....acre feet. Surface area at highwater mark.....acres.

Concrete reservoir 30,000 Gal Capacity.
Standpipe 45,000 Gal Capacity

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET—ACRES	FEET	ACRE-Feet CAPACITY

(c)* Head gate: Width.....feet; height.....feet;
Material.....

(d) Canal: Total length.....miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work Completed years.11. Time required for complete application of water to the proposed beneficial use Completed years.12. Choice of newspaper for publication of notice of intention to appropriate Not Applicable

STATE OF SOUTH DAKOTA

County of Hughes } ss.I, R. L. Stanson, 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, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.Signed R. L. StansonSubscribed and sworn to before me this 30th day of August 1966Alvin H. Zalk
Notary Public (or other qualified officer.)

*Each diversion must have a headgate or measuring device.

Remarks by State Water Resources Commission:

"VESTED RIGHT CLAIMED"

STATE OF SOUTH DAKOTA
County of Hughes } ss.

Pierre, South Dakota, September 9, 1960

This is to certify that the foregoing application was received by the Commission at 2:00 o'clock
p.m. upon the 30 day of August, 1960.

State Water Resources Commission

By: Arthur J. Quinn

for Chief Engineer, Executive Officer

Number of permit 632-2

Date of first receipt of application August 30, 1960

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

Date of receipt of corrected application _____, 19____

Date from which applicant may claim right .147 cfs from 1930
.173 cfs from 1945, 19____

Approved September 9, 1960, Recorded in Book 6 Page 113

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is ~~to be~~ completed ~~on or before~~ _____, 19____

2nd. The whole of said work is ~~to be~~ completed ~~on or before~~ _____, 19____

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

Completed, 19____

4th. The water appropriated shall be used for the purpose of municipal use

5th. 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.

6th. The amount of the appropriation herein granted shall not exceed .22 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for ~~the production of crops~~ in the exercise of the best husbandry, and further, said appropriation must 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 used for municipal needs and beneficially ~~applied for irrigation~~ used for municipal needs on or before June 30, 1965; said water to be used during the following described annual period:

Continuously

Witness my hand this 9th day of September, 1960

State Water Resources Commission

By: Arthur J. Quinn

Chief Engineer, Executive Officer

Certificate of Construction Issued September 9, 1960

Water License Issued September 9, 1960

Wells 1, 2, 3 & 4

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation Depth

Type of casing
(wood, concrete, steel, etc.)

Size of casing Thickness of casing

Length of casing 50' If collection gallery, length, size and depth of
gallery

(b) Screens

Type of perforated screen Slotted sand pointSize of perforated screen 24" 10'
(diameter) (length)

Thickness of gravel pack Length of gravel pack

(c) Water Bearing Materials

Distance to water 20' Character of water bearing materials sandThickness of water bearing material 30'

(d) Pump and Motor

Type of pump Reciprocating with tank
(centrifugal, propeller, mixed flow, etc.)Name of pump Amstar sizeKind of motor Electric
(gasoline, electric, diesel, etc.)Horsepower 1 Name of Motor Baltic

(e) Complete well

Capacity 20 GPM at drawdown of 10' Estimated cost

Owner of land upon which well is located Name

Address

(g) Distance to nearest existing wells

On same owner's property rods. On property owned by others 1/2 mile
2000

Form 2A — Wells (Supplement to Form 2)

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 36", Depth 50'
 Type of casing Concrete & Wood
 (wood, concrete, steel, etc.)
 Size of casing 36", Thickness of casing 2"
 Length of casing 50' If collection gallery, length, size and depth of
 gallery

(b) Screens

Type of perforated screen Slotted Sand point
 Size of perforated screen 36", 10'
 (diameter) (length)
 Thickness of gravel pack, length of gravel pack

(c) Water Bearing Materials

Distance to water 20' Character of water bearing materials Sand
 Thickness of water bearing material 30

(d) Pump and Motor

Type of pump force pump
 (centrifugal, propeller, mixed flow, etc.)
 Name of pump Dempster, size
 Kind of motor elec
 (gasoline, electric, diesel, etc.)
 Horsepower 1 Name of Motor Bartie

(e) Complete well

Capacity 20 gpm at drawdown of 10' Estimated cost

(f) Owner of land upon which well is located

City of Coloma
 Name

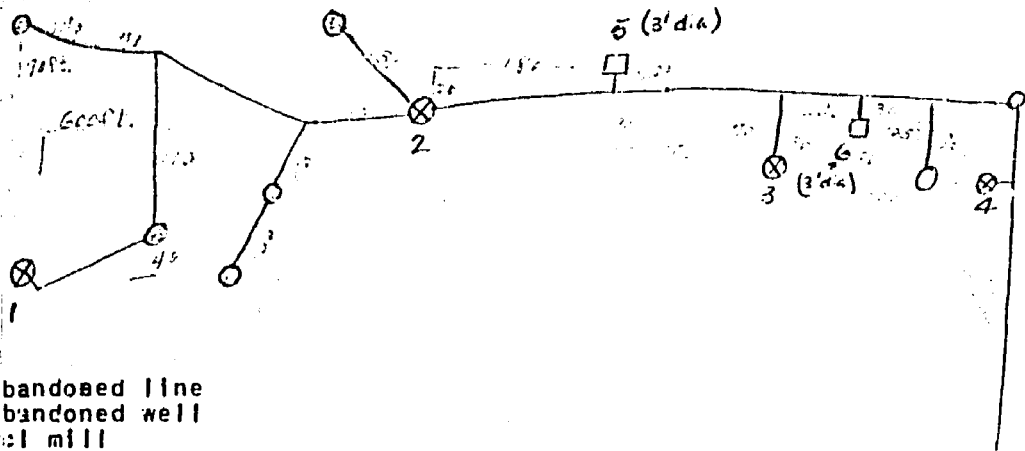
Address

(g) Distance to nearest existing wells

On same owner's property rods. On property owned by others 1/2 mile

6 wells
 4 2' wells
 2 3' wells
 Pump house pump western electric
 6000 gallons an hour
 12 horse motor
 4 Baltic Motors and Jacks - 1 horse
 Motors
 2 windmills

Sec 31
 T48R75



abandoned line
 abandoned well
 well mill
 Pump

STATE OF SOUTH DAKOTA

WATER LICENSE No. 632-2 ...

WHEREAS, On the 30th day of August A. D. 1960
the City of Coloma

At County of Tripp and State of South Dakota
 duly made application (No. 632-2) to us for a vested right .22
 cubic feet per second of the waters of ground water
 County of Tripp, State of South Dakota, for municipal
 purposes; and

WHEREAS, On the 9th day of September A. D. 1960
vested right recognising
Permit No. 632-2 was issued to said applicant for the diversion of said water, and ~~providing for~~
 completion of the works of diversion therein described ~~as follows:~~
~~XXXXXX~~ and for the application to beneficial use of said
 water ~~as follows:~~ ~~XXXXXX~~
 and,

WHEREAS, On the 30th day of August A. D. 1960
vested right .22
 the holder of said permit duly made proof of the completion of adequate works for the diversion of
cubic feet per second of said waters, as evidenced by our Certificate No. 632-2
 dated September 9, 1960 confirming the completion of works of sufficient capacity for
 diverting and conveying to the place of intended use .22 cubic feet per second of water, with date of
 priority of 1930 and 1945 and,

WHEREAS, On the 30th day of August A. D. 1960
 proof was duly made of the application to .22 cubic feet per second of said water;
for municipal use in the City of Coloma

NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota,
We hereby grant and confirm to the City of Colome vested right
4/ the holder and owner of said Permit No. 632-2
a water right, dating from 1910 and 1945 to the use of .22
cubic feet per second of the waters of ground water
In the County of Tripp and State of South Dakota, or so much thereof as may be
necessray for the purposes hereinbelow mentioned, to be diverted at 6 points in the SE 1/4 Sec 31
T. 98N R. 75W
and conducted ~~to said water~~ Through the City water system

for the purpose of municipal use

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the State, and subject, also to the local or community customs, rules and regulations which have been or may be adopted from time to time by a majority of the users from a common source of supply, canal or lateral from which such water may be taken, when such rules and regulations have for their object the economical use of such water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 9th day of September A. D. Nineteen
Hundred and sixty

State Water Resources Commission
By:
J.W. GRIMES, Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA	
Water License No. -----	
To -----	

Source of Supply -----	

County -----	
Am't ----- c. f. s.	
Point of Diversion -----	

Place of Use -----	

Purpose -----	

Date of Priority -----	
Recorded -----	
In Book ----- of ----- Page -----	

Permit No. 632-2Water Division No. 2 White River Water District

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the City of Colome

of _____, County of Tripp, and State of South Dakota, the holder of vested right Permit No. 632-2, issued upon Application No. 632-2, bearing date of priority of 1930 and 1935, authorizing the diversion of .22 cu. ft. per second of the waters of ground water County of Tripp, State of South Dakota, at 6 points in the SE 1/4, Sec 31, T. 98N R. 75W

_____ for municipal purposes, has fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are recognized as satisfactory under for diverting and conveying to the place of intended use .22 cu. ft. per second of water; and that the ~~uses, purposes and purposes~~ use of said water are described as follows, to-wit: to supply municipal needs for the City of Colome

Witness my hand this 9th day of September A. D. 1960

State Water Resources Commission

By:

J.W. GRIMES, Chief Engineer, Executive Officer

Location No.

Water Division No. Water District

Proof of Application of Water to Beneficial Use

PETITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. City of Colome

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business (if a foreign corporation, give name and postoffice of statutory agent,) your position with reference to same, and your authority for appearing in its behalf.

Ans.

Ques. 3. State date of posting and date of recording notice of appropriation.

Ans. Wells #1, 2, 3, 4 - 1930 Wells 5 & 6, 1945

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. all six wells about 50' depth in sand
all in SE⁴SE⁴ Sec 31 T98N R75W

Ques. 5. Describe your works of diversion giving length and height of each dam and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use, and date of completion of same.

Ans. Reservoir Capacity 30,000 gallons, 5 miles
8" main line 1/2 mile 6" line 2 miles 4" line
Stand pipe - 45,000 Gal capacity

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have ACTUALLY been irrigated with said water.)

Ans. Water used for municipal purposes
since wells were constructed

Ques. 7. If for other than irrigation purpose, state how applied, amount of horse power generated, etc.

Ans.

Ques. 8. What is the minimum amount of water required for the use specified above?

Ans. 100,000 Gals per day

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans. City ownership

Ques. 10. State where, how, in what amount and to what extent, the water diverted under above mentioned permit has been used.

Ans. Water has been diverted to full capacity since construction of the wells in 1930 & 1945

(Sign) [Signature]

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in PIERRE, County of Hughes

State of South Dakota, on this 30th day of August A. D. 1960

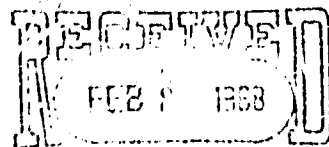
Witnesses. [Signature]
Notary Public

I, the undersigned, do hereby certify that I am a duly qualified elector residing in the immediate vicinity of the diversion works designated in the foregoing testimony, that I have no interest in the works, water or land above described, that I have read the foregoing testimony and that I know of my own personal knowledge that the matters therein stated are true.

Location No. -----	
PROOF OF APPLICATION OF WATER TO BENEFICIAL USE	
PETITION OF HOLDER	
Amount of Water ----- c. f. s.	
Source -----	
County -----	
Purpose -----	
Place of Use -----	
Date of recording -----	
Received and filed -----	

UNITED STATES DEPARTMENT OF AGRICULTURE
FARMERS HOME ADMINISTRATION

Post Office Box 921
Huron, South Dakota 57350



STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

February 7, 1968

State Water Resources Commission
Pierre, South Dakota 57501

Gentlemen:

Re: Town of Colome, SD

A recent telephone call from our county office in Winner reveals that the Town of Colome is in an emergency situation and are without water. Apparently they are faced with closing their schools.

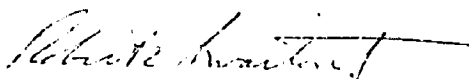
We, as you know, could eventually be of help but certainly aren't the agency to turn to if help must come immediately.

By good luck, I had planned to go to Pine Ridge Monday, February 12 and can stop at Colome enroute. In the meantime, any information you have on ground water would be most useful. Our scanty information states that State geologists advise them to abandon hope for shallow water and go for a \$20,000 deep well. Apparently two or three shallow test holes have failed.

Winner water comes from a shallow well field that can't be too far southwest of Colome. Quality is good and is similar to water in Harrick, Burke, Gregory, Bonesteel, etc. We feel a supply should be sought within a reasonable distance of town. It is very likely a deep well will yield highly mineralized water much below area average in quality.

Briefly, we are hopeful you can give us some advice on this subject prior to our discussion with town officials next Monday. Any help you can give will be greatly appreciated.

Sincerely,



Robert C. Smartout
Chief, Community Services

cc: County Supervisor, FHA
Winner, South Dakota

I discussed this on the phone with
Mr. Smartout on February 8, 1968

1219

UNITED STATES DEPARTMENT OF AGRICULTURE
FARMERS HOME ADMINISTRATION

Post Office Box 321
Huron, South Dakota 57350

February 14, 1968

State Geologist
Geological Survey Office
Verdillion, South Dakota 57069

Attention: Mr. Christensen

Dear Sir:

Re: Town of Colome, S.D.

You will recall we discussed Colome's water problems by telephone the middle of last week. On Monday of this week I met with the Town officials of Colome. I find that the water problem is considerably more serious than I thought.

They had implied that there was a serious emergency and that they were being forced to close their schools. This isn't the case. It appears the capacity of their wells has shrunk to the point that they must ration water and the emergency results from the fact that a cure must be found before warm weather arrives in the spring and water consumption goes up.

We had discussed the possibility that the wells presumably dug in the 1930's had silted up or become clogged with fine sand to the point that they would no longer produce sufficient water. It turns out that they drilled two new wells in the same well field last summer. These were quality gravel packed wells with stainless steel screen designed for the type of sand encountered. These new wells produce even less water than the old wells.

The Town officials informed me that Dallas, Gregory and Winner were all having serious problems with these shallow wells. Winner officials are interested in what Colome does to solve their problem. They further stated that farmers living south of Colome rely mostly on wells drilled into the same strata. Many of these farm wells are also beginning to fail.

Winner officials had provided them with the results of your series of test wells drilled five or six miles west of Colome. As I recall, this test series was identified as No. 36.

A couple of factors come to mind. First, a new sewage system was completed in Colome two or three years ago. It is probably more than coincidence that their water problems developed shortly after installation of a modern sanitary sewer. With the high quality water available,

it is very probable water consumption doubled or tripled and eventually went beyond the recovery capacity of the wells. The same principle, to a lesser extent, could account for the problems encountered in Winner, Dallas and Gregory. At least, we frequently read articles stating that water consumption per capita has climbed quite rapidly since automatic washers and dishwashing equipment have become quite common.

We appreciate the Town officials' desire to get some sort of cure underway during mid-winter. Opinion is split on going for a deep well. Some agreed that the housewives would not be pleased if they were suddenly confronted with hard, high iron and high manganese water. Apparently a driller has informed them that Dakota formation water varies widely from site to site and that there is always a chance that they could get a plentiful supply of fairly good quality water. This conjecture is probably correct, but we would imagine the odds are heavily against getting water anywhere near the quality they are now using.

We suggested that the first thing Colman should do was to get in touch with your office and ask your advice. We took the position that even a 7 or 8 mile pipeline to the south would prove cheaper in the long run to drilling and maintaining a deep well and paying treatment costs. We hedged this recommendation to the extent that we recognize it would be highly undesirable to abandon a 7 or 8 mile pipeline because another well field failed just like the field they are using now.

We would be glad to attend any meeting that the Town might be willing to arrange with your agency. The purpose of this letter is to provide forewarning that the easy solutions we had assumed were available may not prove out.

Yours very truly,

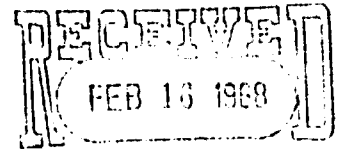
Robert C. Swartout
Chief, Community Services

cc: County Supervisor, FHA
Winner, South Dakota

District Supervisor, FHA
Mitchell, South Dakota

Town of Colome

UNITED STATES DEPARTMENT OF AGRICULTURE
FARMERS HOME ADMINISTRATION
Post Office Box 821
Huron, South Dakota 57350



STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

February 15, 1968

6-2-68

State Water Resources Commission
Pierre, South Dakota 57501

Attention: Mr. Driscoll

Dear Sir:

Re: Town of Colome

You will recall our telephone discussion on the water problems being experienced by the Town of Colome. I attach a copy of a report I mailed to the State Geologist which outlines what I was able to learn while in Colome.

The people are convinced three or four dry years have dried out their aquifer. This doesn't seem likely considering the huge land area involved. Results from the 7 1/4 test holes drilled on Section 33 for the City of Winner shows a tremendous difference in the depth and quality of the various sand strata. It looks to me like they may be digging expensive production wells without putting down a test hole to check depth and permeability of the water bearing sand layer.

Any suggestions you may have will be welcomed. I suggested Town officials contact you for recommendations.

Yours very truly,

Robert C. Swartout
Robert C. Swartout
Chief, Community Services

Attachment

632-2

SOUTH DAKOTA

VESTED WATER RIGHT NO. 632-2

Date of Receipt of Claim August 30, 1960.

Date of Validation September 30, 1992.

The Water Management Board validated Vested Water Right Claim No. 632-2 for the City of Colome, P.O. Box 237, Colome, South Dakota 57528 with the following limitations, conditions and qualifications:

1. Vested Water Right No. 632-2 appropriates 0.22 cubic feet per second of water from wells located in the SE1/4 SE1/4 Section 31, T98N, R75W.
2. The appropriated water is used for supplying water for the City of Colome and may not exceed the amount of water needed for beneficial use for municipal purposes.

The water is to be used during the following annual period:
January 1 - December 31

3. The priority dates of the Vested Water Right are:
January 1, 1930 - 0.147 cfs
January 1, 1945 - 0.073 cfs
4. The water use system has been constructed and water has been applied to beneficial use.
5. Water Rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

WATER MANAGEMENT BOARD

By: 
Chief Engineer

MAR 17 1993

date

Division of Water Rights
Dept. of Environment and Natural Resources

632-2



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAR 17 1993

Kathy Bertram, Finance Officer
City of Colome
PO Box 237
Colome SD 57528-0237

Dear Ms. Bertram:

The Water Management Board has validated the enclosed Vested Water Right No. 632-2. This validation gives legal status to the claim and is the final document for your vested right.

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

Very truly yours,

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

enclosure