

PERMIT TO CONSTRUCT

New

Permit No. 80-1R

Renewal

Modified

GOLDEN EAGLE MINE SEWAGE LAGOON - NO. 2

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Silver King Mines, Inc.

P.O. Box 560

Casper, Wyoming 82602-0560

to construct, install, or modify a water distribution and sewage collection

facility according to the procedures and conditions of the application No. 80-1R. The facility is located in Sec. 14, T.36N., R.73W.

in the County of Converse

in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The Permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and

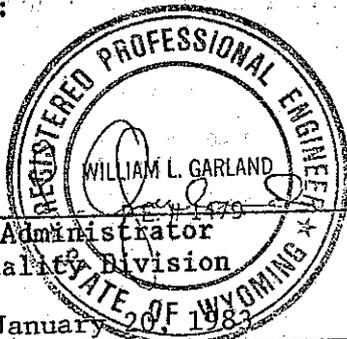
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

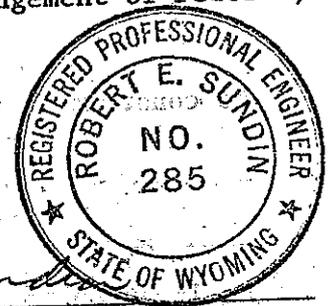
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator  
Water Quality Division

January 20, 1983  
Date of Issuance



Director  
Dept. of Environmental Quality

This permit does not supercede the requirements for obtaining any permit from local agencies.

10-13-81

PERMIT TO CONSTRUCT

New

Permit No. 80-1R

Renewal

Modified

Golden Eagle Mine Sewage Lagoon - No. 2  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Silver King Mines, Inc.

P. O. Box 560

Casper, WY 82602-0560

to construct, install, or modify a water distribution and sewage collection facility according to the procedures and conditions of the application No. 80-1R. The facility is located in Sections 14, T36N, R73W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The Permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

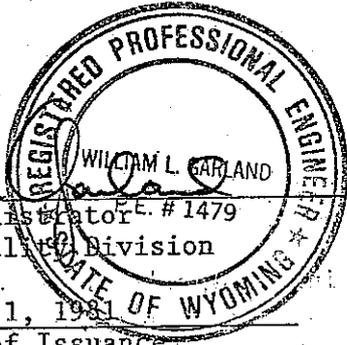
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation.

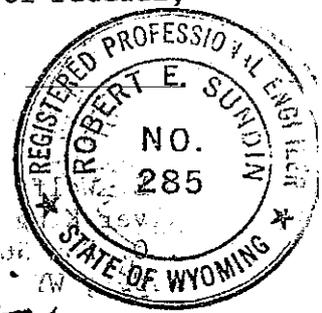
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

*William L. Garland*  
WILLIAM L. GARLAND  
Administrator E. # 1479  
Water Quality Division  
October 1, 1981  
Date of Issuance



*Robert E. Sundin*  
Director  
Dept. of Environmental Quality



This permit does not supercede the requirements for obtaining any permit from local agencies.



THE STATE

OF WYOMING

ED MERSCHLER  
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 1, 1981

C. E. Wolff  
Silver King Mines, Inc.  
P. O. Box 560  
Casper, WY 82602-0560

Dear Mr. Wolff:

This Division has received Silver King Mines, Inc.'s request for ownership transfer of several permits to construct for various facilities at the Morton Ranch Mine. Only three of the referenced permits are active by DEQ records. Two of the permits will be reissued to Silver King Mines, Inc. The third permit, No. 79-399R, was issued for wastewater treatment facilities at North Morton Ranch Golden Eagle Mine. Since this permit expires on October 16, 1981, I see no need to reissue the permit unless construction of the facility has not been completed. If the facility is not completed, SKM should make application for permit reissuance.

It should also be pointed out that all the other permits requested for transfer to SKM have expired. Any new construction or modification on these facilities require a new permit prior to any construction or modification. Any change of use of the permitted facilities in either quantity or quality of influent requires a permit to construct, install or modify.

Contact me if you have any questions.

Sincerely,

Jake Strohmman, P.E.  
Engineering Control Supervisor

JS/pjb  
Enclosures



**Silver King Mines, Inc.**

322X1A1KX8BOLFNXXBAXKXBLDGX  
SAXKXAKKXCKXKXJDXK8MXK  
RQXK52K8827

P. O. Box 560  
Casper, Wyoming  
82602-0560

September 21, 1981

DEPARTMENT OF ENVIRONMENTAL QUALITY  
Water Quality Division  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

Attn: William L. Garland  
Administrator

RE: Permit Transfer Request  
Permit No. 80-1R

Dear Mr. Garland:

Silver King Mines, Inc. hereby declares that it is the new permanent operator of the Morton Ranch Project located North of Douglas, Converse County, Wyoming.

Silver King Mines, Inc. has reviewed and hereby adopts the original Permit No. 80-1R issued to United Nuclear Corporation, Mining and Milling Division on February 7, 1980; and hereby agrees to operate in accordance with the described plans; comply with all the terms and conditions; and perform all obligations of said permit (copy attached).

We trust this information will meet your requirements. Please advise at your earliest convenience if additional information is desired.

Silver King Mines, Inc. will comply with all rules and regulations of the Water Quality Division and looks forward to a long lasting cooperative relationship. We request the transfer to be effective October 1, 1981.

Very truly yours,

S. E. Wolff  
Resident Manager  
Morton Ranch Project

CEW:meo  
Attachment

cc: R. M. Caywood  
P. A. Crowell  
R. L. Morley  
R. J. Mullin  
L. L. Snell  
R. E. Sundin (DEQ)  
M. R. Central File  
A. W. Woods

cc: Ed Haymaker  
1720 S. Poplar  
Casper, WY 82602

PERMIT TO CONSTRUCT

New

Permit No. 80-1R

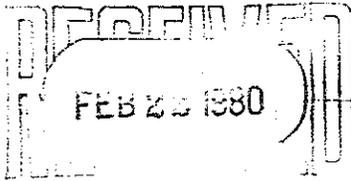
Renewal

Modified

GOLDEN EAGLE MINE SEWAGE LAGOON - NO. 2  
(Name of Facility)

This permit hereby authorizes the applicant:

UNC MINING & MILLING



Mining and Milling Division  
United Nuclear Corporation

Attention: A. W. Shafer

(Last)

(First)

(Middle)

P.O. Box 2996

(Street or P.O. Box)

Casper, Wyoming 82602

(City)

(County)

(State)

SERVICES INC.  
CASPER, WYOMING

to construct, install, or modify a water distribution and sewage collection  
facility located in Section 14, T.36N., R.73W.  
(Legal Description)

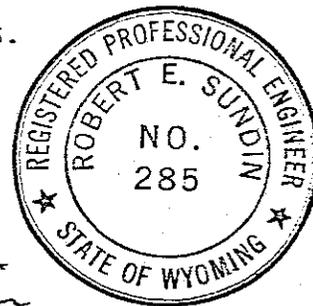
in the County of Converse, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



February 7, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Ed Haymaker  
1720 S. Poplar  
Casper, WY 82602

PERMIT TO CONSTRUCT

New

Permit No. 80-1R

Renewal

Modified

GOLDEN EAGLE MINE SEWAGE LAGOON - NO. 2

(Name of Facility)

This permit hereby authorizes the applicant:

Mining and Milling Division

United Nuclear Corporation

Attention: A. W. Shafer

(Last)

(First)

(Middle)

P.O. Box 2996

(Street or P.O. Box)

Casper, Wyoming 82602

(City)

(County)

(State)

to construct, install, or modify a water distribution and sewage collection

facility located in Section 14, T.36N., R.73W.

(Legal Description)

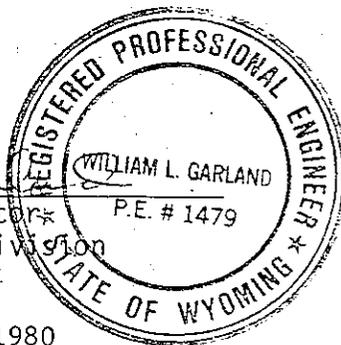
in the County of Converse, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

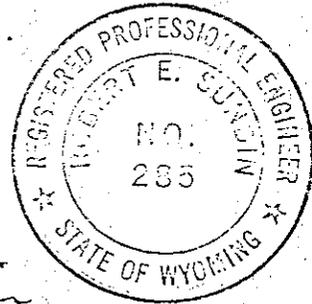
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator\*  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



February 7, 1980

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
30 East Grinnell  
Sheridan, Wyoming 82801

PROJECT: Golden Eagle Mine Sewage Lagoon No. 2  
UNC Mining and Milling Services, Inc.  
P.O. Box 2996  
ARCHITECT OR ENGINEER: Casper, Wyoming 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 80-1

REVIEWING ENGINEER: Tom Mueller, *TMM* P.E.

DATE OF REVIEW: January 16, 1980

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. An estimated mass balance should be made for the lagoon. It should include information on anticipated sewage flow, the basis for such information, anticipated evaporation, and anticipated seepage from the lagoon, and the basis for such seepage.
2. Certain lagoon details should be shown, on an additional drawing if necessary. These include inlet location, elevation and scouring protection, and fencing and signing if provided.
3. Construction specifications must be provided; these should include, at a minimum, specifications for stripping beneath the lagoon embankments and along the lagoon bottom, and for compacting the embankments.
4. It is anticipated that soils to be encountered during construction will be typical of those indicated in other applications for construction of facilities in this area. If such is the case, normal seepage from the lagoon will not pose any sanitary problems, provided no domestic water wells are drilled in the lagoon's immediate vicinity. The application should provide, however, verification in this matter.

cc: Terry Titus  
Worthington, Lenhart & Carpenter  
632 S. David  
Casper, WY 82601

M  
2-15-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-2R

Neumiller Subdivision  
(Name of Facility)

This permit hereby authorizes the applicant:

Neumiller,                      Glenn  
 (Last)                              (First)                              (Middle)

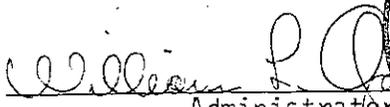
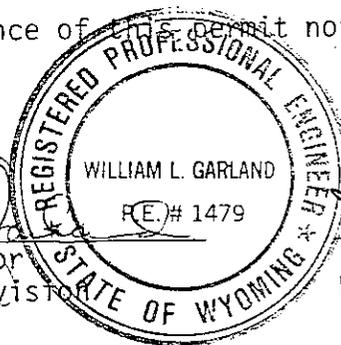
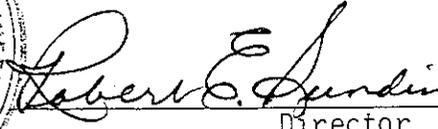
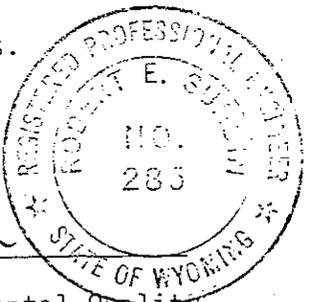
348 Socony Place  
 (Street or P.O. Box)

Casper,                              WY 82601  
 (City)                              (County)                              (State)

to construct, install, or modify a small subsurface disposal  
 facility located in Sec. 2, T33N, R80W  
 (Legal Description)

in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

Administrator                      Director  
 Water Quality Division              Wyoming Dept. of Environmental Quality

February 7, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

12-1-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
~~XXXXXXXXXXXXXXXXXXXX~~  
Cheyenne, Wyoming 82002

PROJECT: Neumiller Subdivision Septic System, Natrona Co.

ARCHITECT OR ENGINEER: Terry Titus, Worthington, Lenhart, Carpenter & Johnson, Inc.,  
632 South David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-2

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: January 8, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Two copies of an application for a Permit to Construct must be submitted with the plans and specifications.
2. A minimum distance of 25 feet must be maintained between septic tank for building #1 and the water line adjacent to property line.
3. The inlet/outlet pipes for septic tanks must be either Schedule 40 PVC or cast iron. Indicate type of material on drawings.
4. A baffle on the inlet of the second septic tank for building #2 is required.
5. Why two septic tanks in series for building #2 if the flow is only 800 gal/day? Are there any industrial wastes to consider? Are they compatible with a septic tank/leach field system?
6. Based upon wastewater flow rates and the average soil percolation rate, a trench disposal field is recommended to distribute the septic tank effluent. Suggest a header, 60 foot parallel, 4" perforated PVC pipe system with a minimum of 1000 ft.<sup>2</sup> trench area. The proposed bed system is considered inadequate for the existing soil system. See Chapter III, Wyoming Water Quality Rules and Regulations.
7. What deflection/alignment tests will be accomplished on septic tank effluent line from building #1 to the leach field area? What will be allowable deflection?

cc: Uinta Engineering & Surveying  
P. O. Box 746  
Evanston, WY 82930  
ATTN: John Proffit, P.E.

PERMIT TO CONSTRUCT

1201  
028

New

Permit No. 80-3R

Renewal

Modified

Uinta Meadows Second Addition  
(Name of Facility)

This permit hereby authorizes the applicant:

Hoback Ranches, Inc.  
(Last) (First) (Middle)

P. O. Box 248  
(Street or P.O. Box)

Afton, WY 83110  
(City) (County) (State)

construct, install, or modify a water distribution and wastewater collection  
facility located in Section 21 & 28, T. 15N., R. 120W  
(Legal Description)

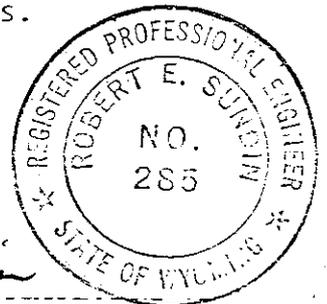
in the County of Uinta, in the State of  
Wyoming. This permit shall be effective for a period of two years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



February 22, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Uinta Meadows Second Addition  
Sec. 21, 28, T. 15 N., R. 120 W., Uinta County  
Evanston, WY

ENGINEER: Uinta Engineering and Surveying, Inc.  
P.O. Box 746  
Evanston, WY 82930     ATTN: John Proffit, P.E.

OWNER: Hoback Ranches, Inc.  
P.O. Box 248  
Afton, WY 83110

WATER QUALITY DIVISION REFERENCE NUMBER:     80-3

REVIEWING ENGINEER: David W. <sup>cut</sup>Hill, P.E.

DATE OF REVIEW: January 22, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

General

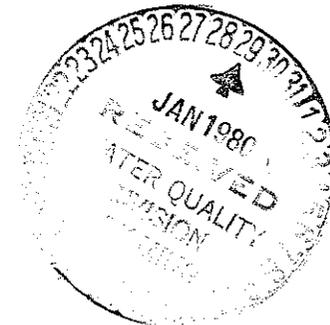
1. A letter is needed from the City of Evanston indicating the subdivision will be provided water and sewer service.

Sewer

2. Can the Front Street sewer handle the additional flow from this subdivision?

Water

3. Is it reasonably possible to connect the water system back into the main city water in order to obtain a looped system for reliability?
4. I noticed that the auxilliary gate valves on hydrant installations were not included in the bid item 6" gate valves. Am I correct in assuming the auxilliary gate valves are included in the fire hydrant unit price?



cc: Jack Noblitt  
BRW/Noblitt  
1709 Carey Avenue  
Cheyenne, WY 82001

cc: City Engineer  
Municipal Bldg., Room 202  
2101 O'Neil Ave.  
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-4

Frontier Mall  
(Name of Facility)

This permit hereby authorizes the applicant:

CBL & Associates  
(Last) (First) (Middle)

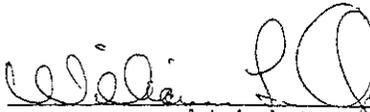
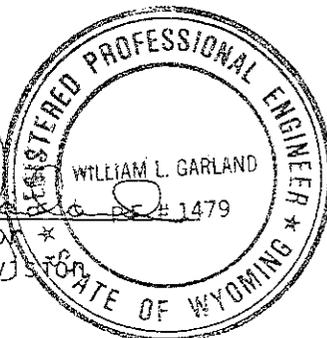
One Northgate Park  
(Street or P.O. Box)

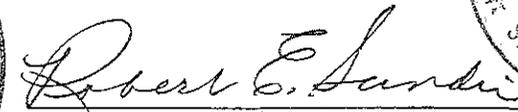
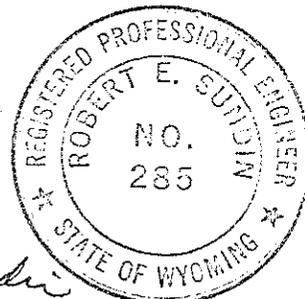
Chattanooga, TN 37415  
(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system  
facility located in Sec. 20, T14N, R66W  
(Legal Description)

in the County of Laramie, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

  
Administrator  
Water Quality Division  


  
Director  
Wyoming Dept. of Environmental Quality  


January 10, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Don Armstrong  
Tudor Engr.  
450 S. Federal Blvd.  
Riverton, WY 82501

PERMIT TO CONSTRUCT

New

Permit No. 80-5

Renewal

Modified

City of Riverton Sewer Line Extension  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Riverton  
(Last) (First) (Middle)

316 East Washington Avenue  
(Street or P.O. Box)

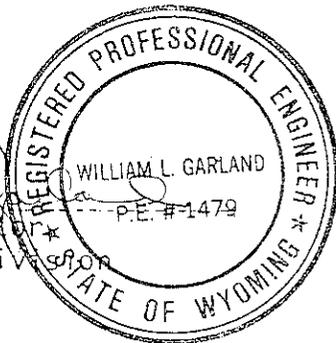
Riverton, Wyoming 82501  
(City) (County) (State)

to construct, install, or modify a sewage collection  
facility located in Sec. 29, T. 1 N., R. 4 E.,  
(Legal Description)

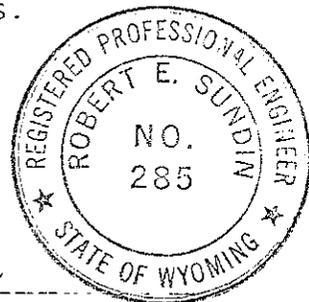
in the County of Fremont, in the State of  
Wyoming. This permit shall be effective for a period of two years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



January 22, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

11407  
1-9-80

New

Permit No. 80-6

Renewal

Modified

Three Inch Meter Pit - Ranch Estate Apartments

(Name of Facility)

This permit hereby authorizes the applicant:

Forrest Investment Corporation (Michael Lanning - Agent)  
(Last) (First) (Middle)

314 180th Ave. NE  
(Street or P.O. Box)

Bellevue, Washington 98004  
(City) (County) (State)

to construct, install, or modify a three inch meter pit on existing water supply system  
facility located in Sec. 16, T. 15 N., R. 120 W.  
(Legal Description)

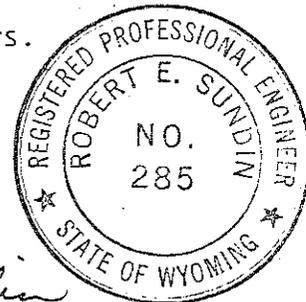
in the County of Uinta, in the State of  
Wyoming. This permit shall be effective for a period of two years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sundin*  
Director  
Wyoming Dept. of Environmental Quality



January 9, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Brady Consultants, Inc.  
Att: Eugene Wasserburger  
P.O. Box 1329  
Gillette, WY 82716

PERMIT TO CONSTRUCT

New

Permit No. 80-7R

Renewal

Modified

JASPER INDUSTRIAL PARK, CITY OF GILLETTE  
(Name of Facility)

This permit hereby authorizes the applicant:

Aarsby Jerry  
(Last) (First) (Middle)

P.O. Box 219

(Street or P.O. Box)

Gillette Campbell Wyoming 82716  
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection  
facility located in Section 34, T.50N., R.72W.  
(Legal Description)

in the County of Campbell, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sinden  
Director  
Wyoming Dept. of Environmental Quality



February 11, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
30 East Grinnell  
Sheridan, Wyoming 82801

PROJECT: Jasper Industrial Park - City of Gillette

ARCHITECT OR ENGINEER: Eugene D. Wasserburger  
Brady Consultants Inc.  
Spearfish, South Dakota 57783

WATER QUALITY DIVISION REFERENCE NUMBER: 80-7

REVIEWING ENGINEER: Dan H. Kim and Jake Strohman, P.E.

DATE OF REVIEW: January 24, 1980

ACTION: Not authorized for construction

COMMENTS:

- (1) Please complete the enclosed application form and return it to this office.
- (2) The letter of verification from the City of Gillette is needed, indicating that they will provide adequate water and sewer services to this addition.
- (3) Specifications for Donkey Creek underwater crossing must meet the Section 8.7.2 of the 10 State Standards for Waterworks. Valves are needed at both ends of the crossing; and the valve closest to the supply source shall be in a manhole.
- (4) Testing specifications for sewer lines should include:
  - a) alignment lapping test
  - b) deflection test: maximum vertical deflection shall not exceed 5% of the pipe's internal diameter. A rigid ball or mandrel can be used for a test.

As per the phone conversation of January 24, 1980 with the design engineer, it is our understanding that (1) water and sewer service connections to the Lot 2 will not be made at this time, (2) flood protection drainage plan will be reviewed by the City.

cc: Fred Sielbach, Jr.  
CSSA  
1780 Westland Road  
Cheyenne, WY 82001

cc: City Engineer  
Municipal Bldg., Room 202  
2101 O'Neil Ave.  
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 80-8

Sunnyside Baptist Church Sanitary Sewer Extension  
(Name of Facility)

This permit hereby authorizes the applicant:

Vernie Martin  
Sunnyside Baptist Church

(Last) (First) (Middle)

Route 3  
Box 1030B

(Street or P.O. Box)

Cheyenne,  
(City)

(County)

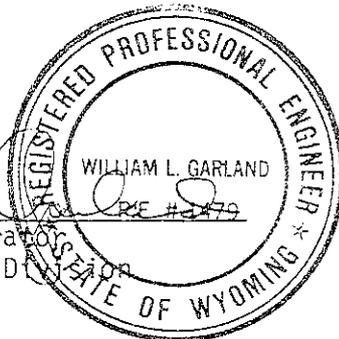
WY 82001  
(State)

to construct, install, or modify a municipal collection system  
facility located in Sec. 27, T14N, R66W  
(Legal Description)

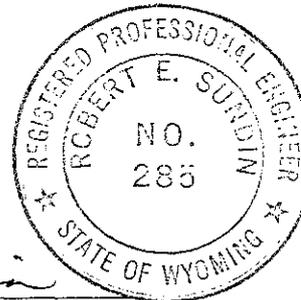
in the County of Laramie, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sardin  
Director  
Wyoming Dept. of Environmental Quality



January 10, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Fred A. Sielbach, Jr.  
C.S.S.A./Wyoming  
1780 Westland Rd.  
Cheyenne, WY 82001

11-31-80

PERMIT TO CONSTRUCT

New Permit No. 80-9R  
 Renewal  
 Modified

Park Estates Third Filing  
(Name of Facility)

This permit hereby authorizes the applicant:

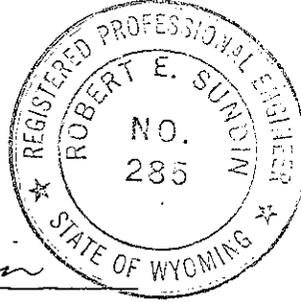
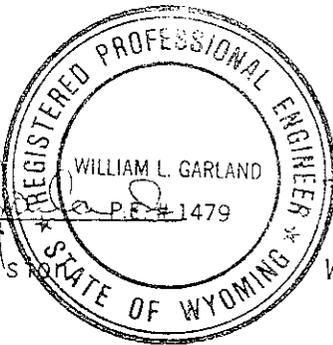
City of Cheyenne  
(Last) (First) (Middle)  
2101 O'Neil  
(Street or P.O. Box)  
Cheyenne, WY 82001  
(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system  
facility located in Sec. 22, T14N, R66W  
(Legal Description)

in the County of Laramie, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland Administrator, Water Quality Division  
Robert E. Sundin Director, Wyoming Dept. of Environmental Quality



January 29, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

11-1-1980

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.  
Cheyenne, Wyoming 82002

PROJECT: Park Estates, Third Filing, City of Cheyenne, Laramie, Co.

ARCHITECT OR ENGINEER: Fred Sielbach, Jr., CSSA/Wyoming, 1780 Westland Rd.,  
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-9

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: January 10, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Note on drawings must agree with City of Cheyenne cover letter regarding construction specifications. Note must contain at least following language: "The 1979 Wyoming Public Works Standard Specifications shall apply. All work to be in conformance with these Standards and Specifications."
2. Indicate on application form the estimated volume of both the public water supply and wastewater collection system.

cc: City Engineer  
Municipal Bldg., Room 202  
2101 O'Neil Ave.  
Cheyenne, WY 82001

cc: Fred A. Sielbach  
CSSA  
1780 Westland Road  
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

115-15-20

New

Permit No. 80-10

Renewal

Modified

Park Plaza Tech Center Second Filing  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Cheyenne

(Last) (First) (Middle)

2101 O'Neil Ave.

(Street or P.O. Box)

Cheyenne,

WY 82001

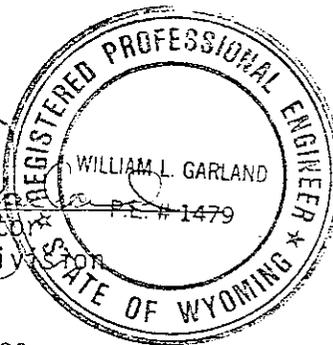
(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system  
facility located in Sec. 22, T14N, R66W  
(Legal Description)

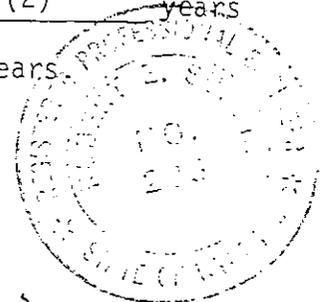
in the County of Laramie, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Lundin  
Director  
Wyoming Dept. of Environmental Quality



February 12, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Bruce Elms  
Black & Veatch  
12075 East 45th, Suite 400  
Denver, CO. 80239

11-1-1980

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-11

Water Treatment Plant Expansion W-79-4  
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities  
(Last) (First) (Middle)

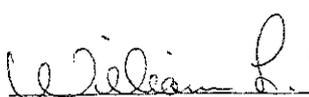
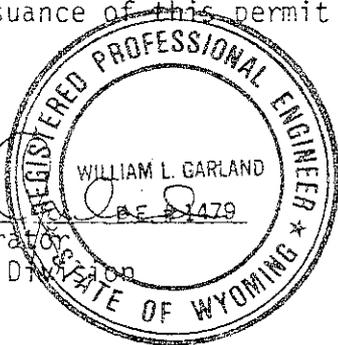
200 N. David  
(Street or P.O. Box)

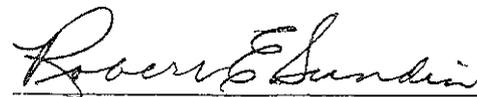
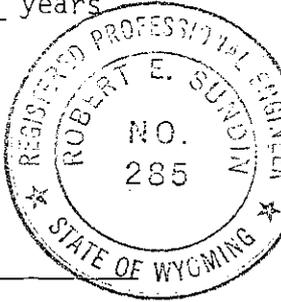
Casper, WY 82601  
(City) (County) (State)

to construct, install, or modify a municipal water treatment plant  
facility located in the City of Casper  
(Legal Description)

in the County of Natrona, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

  
Administrative  
Water Quality Division  


  
Director  
Wyoming Dept. of Environmental Quality  


January 11, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

M to S  
5-14-80

PERMIT TO CONSTRUCT

New

Permit No. 80-12R

Renewal

Modified

BIG HORN NO. 6 RESERVOIR (NPDES #004)

(Name of Facility)

This permit hereby authorizes the applicant:

Big Horn Coal Company

(Last)

(First)

(Middle)

P.O. Box 724

(Street or P.O. Box)

Sheridan

(City)

Sheridan

(County)

Wyoming 82801

(State)

to construct, install, or modify a pit water and runoff control pond

facility located in Section 15, T.57N., R.84W.

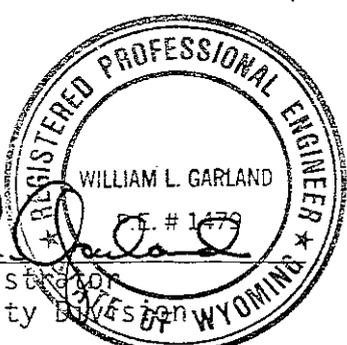
(Legal Description)

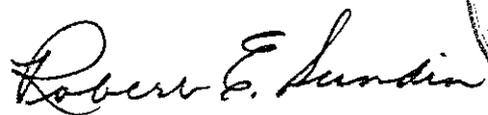
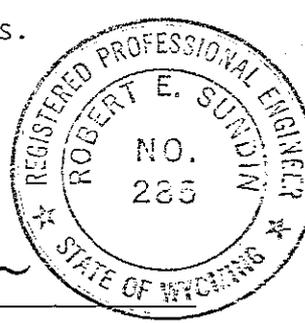
in the County of Sheridan, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
P.E. # 1479  
Administrator  
Water Quality Division  


  
Director  
Wyoming Dept. of Environmental Quality  


May 8, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

M702  
5-2-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-13R

Pathfinder - Lucky Mc Mine Tailings No. 4 Reservoir Addition  
(Name of Facility)

This permit hereby authorizes the applicant:

Pathfinder Mines Corporation - Lucky Mc Mine  
(Last) (First) (Middle)

P.O. Box 831  
(Street or P.O. Box)

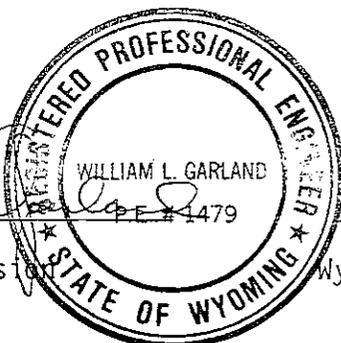
Riverton, WY Fremont 82501  
(City) (County) (State)

to construct, install, or modify ~~x~~ Tailings No. 4 Reservoir  
facility located in Sec. 9, T33N, R. 90W  
(Legal Description)

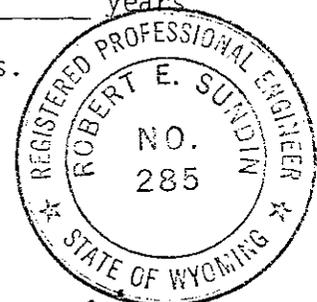
in the County of Fremont, in the State of  
Wyoming. This permit shall be effective for a period of 2 years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 22, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



SOIL & FOUNDATION  
ENGINEERING

Chen and associates, inc.  
CONSULTING ENGINEERS



900 EAST F STREET • CASPER, WYOMING 82601 • 307/234-2126  
96 S. ZUNI • DENVER, COLORADO 80223 • 303/744-7105

June 27, 1980

Subject: Pathfinder-Lucky Mc Mine Tailings  
No. 4 Reservoir Addition, Permit  
to Construct, Permit No. 80-13R

Wyoming Department of Environmental Quality  
Water Quality Division  
Cheyenne, Wyoming 82002

Attention: Mr. William Garland, Administrator, Water Quality Division  
Mr. Robert Sundin, Director, Wyo. Dept. of Environmental  
Quality

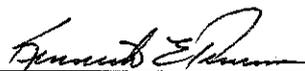
Gentlemen:

We have received the permit to construct (Permit No. 80-13R) for the Pathfinder-Lucky Mc Mine Tailings No. 4 Reservoir Addition dated April 22, 1980. With this letter please be informed that Chen and Associates, Inc. has been removed from the project by the owner and will not be supervising construction of the modification to the subject project.

Thank you.

Sincerely yours,

CHEN AND ASSOCIATES, INC.

BY   
Kenneth E. Temme, P.E.

KET:bec

cc: Pathfinder Mine Corporation - Riverton  
Nuclear Regulatory Commission  
Wyoming State Engineer



REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: PATHFINDER - LUCKY MC MINE TAILINGS NO. 4 RESERVOIR ADDITION

ENGINEER: Chen & Associates  
900 East F Street  
Casper, WY 82601

ATTN: Kenneth E. Temme, P. E.

OWNER: Pathfinder Mines Corporation  
Lucky Mc Mine  
P. O. Box 831  
Riverton, WY 82501

ATTN: R. W. Poyser, Env. Coordinator

WATER QUALITY DIVISION REFERENCE NUMBER: 80-13R

REVIEWING ENGINEER: *M. Robin Collins*  
M. Robin Collins, P.E. and Tony Mancini, P.E.

DATE OF REVIEW: April 16, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

In reference to our recent conversation, we would like to offer the following comments as confirmation of what was discussed over the phone and for your consideration in processing the necessary permit:

Hydrology Report and Proposed Monitoring

- Item 4. Anything submitted with, or as supporting documentation for, a permit application cannot be considered irrelevant to the application. A more appropos response by the applicant is required. The best response would be submittal of the requested information.
- Item 8. The WQD is interested in more than radionuclides. Considering the lack of available information, quarterly sampling and analysis is considered necessary.
- Item 9. Monthly water level measurements are required in order to establish when "high" and "low" water occur and the periodicity of water level fluctuations.

The response in general raises some questions concerning the adequacy of the proposed groundwater monitoring program. It is suggested that the applicant resubmit a proposed monitoring program to include a comprehensive schedule for monitoring water levels and water quality; plans for containing any groundwater pollution that may have already occurred; and plans for a pump-back system for the Reid alluvium should this become necessary.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Pathfinder-Lucky Mc Mine Tailings No. 4 Reservoir Addition

ENGINEER: Chen & Associates  
900 East F Street  
Casper, WY 82601  
ATTN: Kenneth E. Temme

OWNER: Pathfinder Mines Corporation  
Lucky Mc Mine  
P. O. Box 831  
Riverton, WY 82501 ATTN: R. W. Poyser, Env. Coordinator  
WATER QUALITY DIVISION REFERENCE NUMBER: 80-13

REVIEWING ENGINEER: *M. Robin Collins*, Rick Engelmann, Tony Mancini

DATE OF REVIEW: February 25, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

In reference to our recent telephone conversation, I would like to offer the following comments for your consideration in processing the necessary permit:

Dam Construction

1. On Page 1.2-1 of the specifications, it states that the cutoff trench will run from station -1+90 to 2+00, and from station 15+00 to 22+75.38. What about the portion between station 2+00 and 15+00? Is the shale bedrock exposed in this section?

What kind of test data exists for the dam foundation? None was provided. All we have to go on are some of the well logs out of the groundwater hydrology report.

2. On Page 1.2-3 it refers to a determination by the "Engineer". This should be a competent soils engineer, licensed in the state.

Hydrology Report and Proposed Monitoring

1. Geology description is too brief. Need information on underlying geologic units and associated water bearing formations. Is there any fracturing of the Cody shale (i.e. is it possible for significant vertical seepage to occur?). What about contact between Cody shale and Wind River formation? Is it possible for water to move from weathered shale to Wind River sandstone? We need structural information (strike, dip, etc.) on the shale and Wind River formation in order to evaluate this.

2. How can one draw piezometric contours as detailed as those shown for the Cody shale with such a paucity of data? Furthermore, in drawing the contours for the Reid alluvium, it appears the water level in well MW-1 has been ignored.
3. The Reid alluvium below the proposed dam, there are problems with this:
  - a. How thick is it? This has not really been defined, and this should be known in case a pump back system is required later.
  - b. Well MW-3, which has a high transmissivity when compared to other Reid alluvium wells, also has high concentration of radionuclides. Wells upstream of MW-3 have lower radionuclide concentrations. No explanation was given for this anomaly.
4. Analysis of Well TL No. 1 appears to indicate a high concentration of contaminants. Request analysis of Well TL No. 2 and No. 3 to check for possible movement of contaminants.

If TL No. 2 and TL No. 3 are also high, may suggest another well be drilled and tested.
5. What is the quality of the water supply to be used for the mill?
6. Normally need more than one sample from a proposed operation site in order to determine baseline values. All wells to be used for monitoring purposes should have good baseline data.
7. Where was water encountered in the drilling operation? What formations have water?
8. All sampling wells should be monitored quarterly.
9. The program for measuring the static water level should be established monthly.

If further information is required, please do not hesitate to contact us.

PERMIT TO CONSTRUCT

11-02  
8-5-80

New

Permit No. 80-14RB

Renewal

Modified

Western Nuclear, Inc. Wastewater Disposal System  
(Name of Facility)

This permit hereby authorizes the applicant:

Western Nuclear, Inc. - R. J. Cronk  
(Last) (First) (Middle)

P.O. Box 630  
(Street or P.O. Box)

Jeffrey City, Wyoming 82310  
(City) (County) (State)

to construct, install, or modify a septic tank/leach field  
facility located in Sec. 28, T. 28 N., R. 92 W.  
(Legal Description)

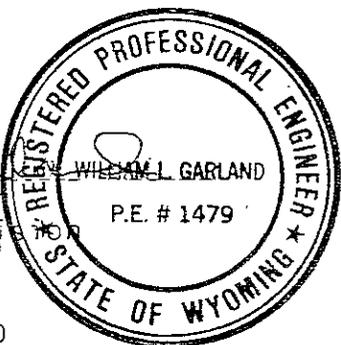
in the County of Fremont, in the State of

Wyoming. This permit shall be effective for a period of two years

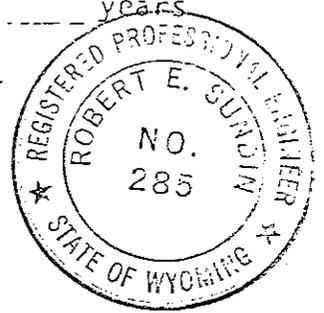
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



February 27, 1980  
Date of Issuance

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Western Nuclear, Inc. Septic System

ENGINEER: R. J. Cronk  
P.O. Box 630  
Jeffrey City, WY 82310

OWNER: Western Nuclear, Inc.  
P.O. Box 630  
Jeffrey City, WY 82310  
ATTN: Joe Cronk

WATER QUALITY DIVISION REFERENCE NUMBER: 80-14

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: January 24, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. The ends of the leach field pipes should be tied together as follows:



2. Is the outlet pipe perforated? It should be solid until it hits the absorption field.
3. We will need the following:
  - a. Specs for the building to septic tank and septic tank to absorption field sewer pipes (slope, cover, material, installation-be brief but concise).
  - b. A septic tank inlet pipe that penetrates at least six inches below the liquid surface, and an outlet pipe that penetrates about 1½ feet below the liquid surface.
  - c. A map or something which more explicitly describes the system location. We are especially concerned about its distance from adjacent wells, drainage ways, buildings, etc.



PERMIT TO CONSTRUCT

Misc. 80  
3-12

- New
- Renewal
- Modified

Permit No. 80-15R

NOTE THE ATTACHED COMMENT

Sheep Mountain Commercial Area Subdivision Public Water Supply  
(Name of Facility)

This permit hereby authorizes the applicant:

Wilson, Phil W.  
(last) (First) (Middle)

P.O. Box 44  
(Street or P.O. Box)

Kelly, Wyoming 83011  
(City) (County) (State)

to construct, install, or modify a public water supply

facility located in Sec. 10 and 11, T. 4 N., R. 115 W.  
(Legal Description)

in the County of Teton, in the State of

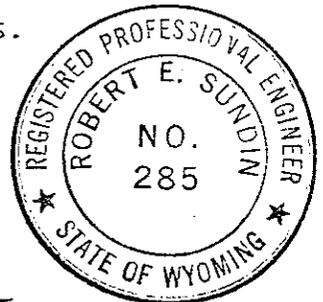
Wyoming. This permit shall be effective for a period of two years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William J. O'Connell  
Administrator  
Water Quality Division



Robert E. Sundin  
Director



Wyoming Dept. of Environmental Quality

March 4, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Sheep Mountain Commercial Area Subdivision Public Water Supply

ENGINEER: Peter M. Jorgensen  
Consulting Engineer  
P.O. Box 1142  
Jackson, WY 83001  
ATTN: Stanley L. Zaist

OWNER: Phil W. Wilson  
P.O. Box 44  
Kelly, WY 83011

WATER QUALITY DIVISION REFERENCE NUMBER: 80-15R

REVIEWING ENGINEER: M. Robin Collins, P.E. 

DATE OF REVIEW: March 4, 1980

ACTION: ~~NOT~~ AUTHORIZED.

COMMENTS:

The aforementioned facility is authorized and permitted for construction. The following comments are given as confirmation of action to be taken by the owner.

A chemical and bacteriological analysis of the completed well water must be submitted to this office for review before the well can be put into service.



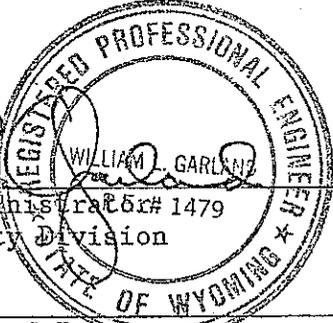
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

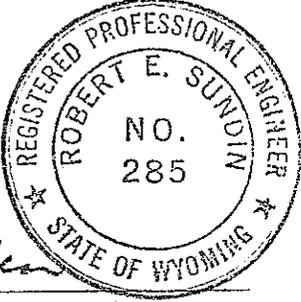
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
*William L. Garland*  
Administrative # 1479  
Water Quality Division  
July 12, 1982  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

This permit does not supercede the requirements for obtaining any permit from local agencies.

AJB:ch

## WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.

(307) 332-3144

PROJECT: Sheep Mountain Commercial Area Subdivision Public Water Supply

ENGINEER: Peter M. Jorgensen  
Consulting Engineer  
P.O. Box 1142  
Jackson, WY 83001

ATTN: Stanley L. Zaist

OWNER: Phil W. Wilson  
P.O. Box 44  
Kelly, WY 83011

WATER QUALITY DIVISION REFERENCE NUMBER: 80-15

REVIEWING ENGINEER: M. Robin Collins, P.E.




DATE OF REVIEW: January 29, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

After reviewing the aforementioned report, I would like to offer the following comments for your consideration and reply in processing the necessary permit:

1. The sizing of the well casing material will have to be upgraded in order to meet "Ten States Standard." For an 8 inch diameter well casing, the thickness should be at least 0.322 inches and the weight per linear foot should be 28.55 pounds.
2. All public water supplies must be maintained by a certified operator. Please provide a name and address of the proposed operator so that he can be provided with the necessary information for certification.
3. Before the well can be put into service, we must be provided chemical and bacteriological analyses of the well water.
4. The individual wastewater disposal systems proposed for the subdivision must not approach within 100 feet of the well site.

Also, a map showing the location of all existing and potential sources of pollution within 250 feet of the well (besides the individual septic tank/absorption area) must be submitted.

5. A light and a means of entering the pressure tank vault for inspection must be provided.

If further information is required or if you have any questions concerning this review, please do not hesitate to contact us.

cc: Robert Ablondi, County Sanitarian

cc: John E. Donmyer  
P.O. Box 3478  
Casper, WY 82602

10  
2-15-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-16R

Westgate Park III Water Distribution System  
(Name of Facility)

This permit hereby authorizes the applicant:

Barnard Lowham Management Company  
(Last) (First) (Middle)

P.O. Box 567  
(Street or P.O. Box)

Casper, WY 82602  
(City) (County) (State)

to construct, install, or modify a water distribution system

facility located in Sec. 27, 28, 32 & 34, T34N, R80W  
(Legal Description)

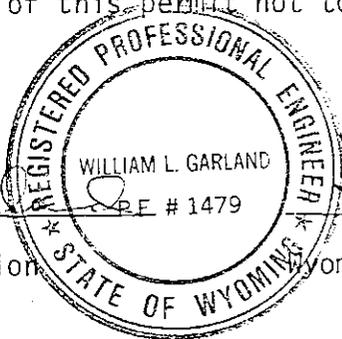
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

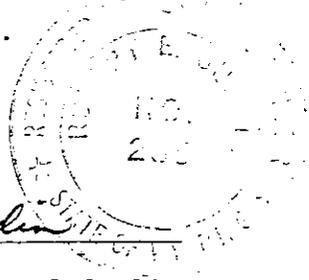
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sunden  
Director  
Wyoming Dept. of Environmental Quality



February 7, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.



cc: James R. Graves  
3100 Sinclair Pl.  
Casper, WY 82601

M-  
123-50

PERMIT TO CONSTRUCT

New

Permit No. 80-17

Renewal

Modified

Haynes Subdivision, Town of Guernsey  
(Name of Facility)

This permit hereby authorizes the applicant:

Haynes, Thomas E.  
(Last) (First) (Middle)

Box 523  
(Street or P.O. Box)

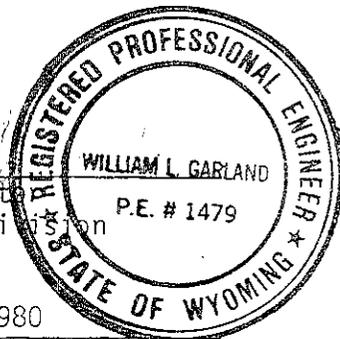
Guernsey, WY 82214  
(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system  
facility located in Sec. 2, T26N, R66W  
(Legal Description)

in the County of Platte, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



January 17, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Joe A. Rhoads  
230 West 4th So., Suite 220  
Salt Lake City, Utah 84101

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 80-18

Franklin Supply Company  
(Name of Facility)

This permit hereby authorizes the applicant:

Steel Structures, Inc.  
(Last) (First) (Middle)

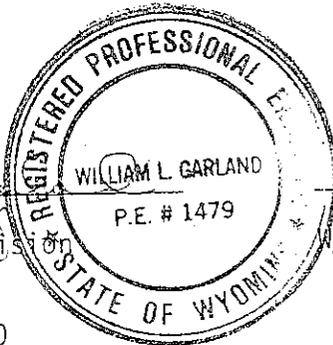
Box 73  
(Street or P.O. Box)

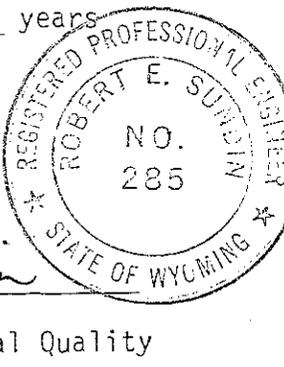
Casper, WY 82602  
(City) (County) (State)

to construct, install, or modify a subsurface disposal  
facility located in Sec. 34, T34N, R80W  
(Legal Description)

in the County of Natrona, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division  


Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality  


January 31, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Jim Willey  
TSP Wyoming  
1058 Kentucky Ave.  
Sheridan, WY 82801

70-405  
1-31-80

PERMIT TO CONSTRUCT

New

Permit No. 80-19 RR  
(reference 79-257R)

Renewal

Modified

WESTOVER HILLS OFFSITE SEWER AND WATER

(Name of Facility)

This permit hereby authorizes the applicant:

Twedt Jim  
(Last) (First) (Middle)

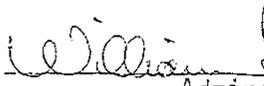
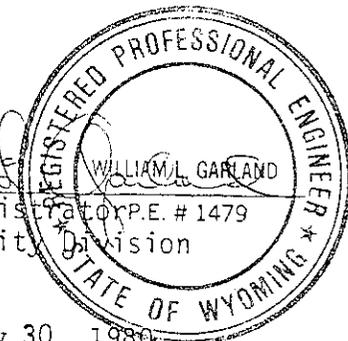
62867 Loma Vista Drive  
(Street or P.O. Box)

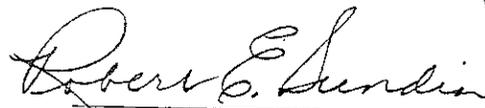
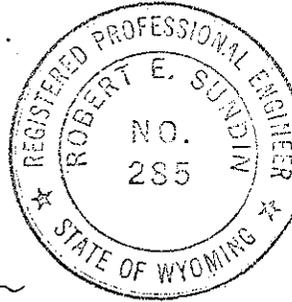
Bend, Oregon 97701  
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection  
facility located in Section 20, T.50N., R.72W.  
(Legal Description)

in the County of Campbell, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

  
  
Administrator  
Water Quality Division

  
  
Director  
Wyoming Dept. of Environmental Quality

January 30, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

11-03  
7

- New
- Renewal
- Modified

Permit No. 80-20

Butler - Spaeth Rd. - City of Gillette  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Gillette                      Attn: Jeff Smith  
(Last)                                      (First)                                      (Middle)

P.O. Box 3003  
(Street or P.O. Box)

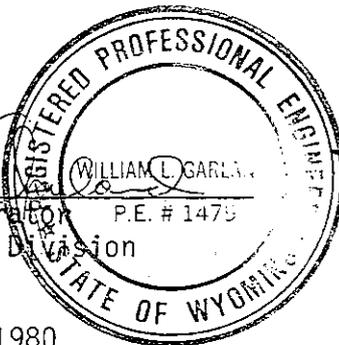
Gillette                                      Campbell                                      WY 82716  
(City)                                      (County)                                      (State)

to construct, install, or modify a sewer, waterline and storm sewer  
facility located in Sec. 26, T50N, R72W  
(Legal Description)

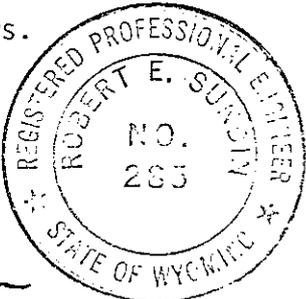
in the County of Campbell, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garla  
 Administrator      P.E. # 1479  
 Water Quality Division



Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



February 19, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Edward S. Scott, P.E.  
Scott Engineering Company  
P.O. Box 2097  
Gillette, WY 82716

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-21  
(reference 79-690)

PETROLANE PLANT OFFICE SEWER REVISIONS  
(Name of Facility)

This permit hereby authorizes the applicant:

Petrolane, Incorporated

(Last) (First) (Middle)

301 Douglas Highway

(Street or P.O. Box)

Gillette Campbell Wyoming 82716

(City) (County) (State)

to construct, install, or modify a sewage disposal  
facility located in Section 11, T.49N., R.72W.  
(Legal Description)

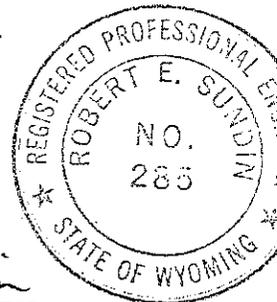
in the County of Campbell, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



January 18, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



*Department of Environmental Quality*  
*Water Quality Division*

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 12, 1980

R. D. Connell and Associates, Inc.  
P.O. Box 1010  
Riverton, WY 82501

RE: Review of Preliminary Plans for Sewer Improvements -  
Hudson, Wyoming 80-22

Dear Sir:

After reviewing the aforementioned report, I would like to offer the following comments for your consideration in processing the necessary grants and permits.

1. The planned or projected service area should be addressed in more detail. A population projection study for Hudson should be included along with plans for including present and future housing developments located near the town. In particular, the new housing located south of the existing lagoons should be included.
2. A minimum of three cells is required for this type of treatment facility. This can be accomplished by dividing the existing Cell No. 1 into two cells which would also reduce the potential of short-circuiting the north-eastern portion of the cell. For clarification of the proposed plant's flow scheme, please contact this office.
3. A variable level drawoff for the last cell should be provided.
4. Better mixing capabilities should be provided at the head-in of the chlorine contact basin.

Also, further hydraulic information on the discharge line to the river needs to be shown in order to insure adequate contact time will be provided.

5. Further information needs to be provided on the blower's foundation footing. Also, a butterfly valve is required on the blower.
6. An on-off switch needs to be provided on the outside of the chlorination room or at least connected with the door so that the exhaust fan will be operating before entrance into the room can be made.

In addition, further information on the facility's electrical wiring and control diagram needs to be given.

LETTER TO R. D. CONNELL & ASSC.  
FEBRUARY 12, 1980  
PAGE TWO

7. The need for two heaters in an unmanned building does not seem justified.

In addition to my preliminary comments, I have enclosed a copy of Tom Hamm's review of this project for your consideration. We realize your submitted plans are only of a preliminary nature, but we took the time to reply in detail so that the final version of the engineering plans can address all of our concerns and thus can be processed promptly.

If further information is required, please do not hesitate to contact us.

Respectfully,



M. ROBIN COLLINS, P.E.  
Environmental Engineer

Enclosure

cc: Mayor, Town of Hudson  
Tom Hamm, DEQ/WQD, Cheyenne



80-22  
11-2-80

*Department of Environmental Quality*  
*Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Robin Collins  
FROM: Tom Hamm *Tom*  
DATE: January 25, 1980  
SUBJECT: Hudson, Preliminary Plans

Per our telecom of January 24, 1980, I have made a preliminary review of the Hudson plans. Aside from having no specs and/or design data, I find the plans unacceptable. The design does not address the 10 State Standards and in no way come close to the EPA-Grant-DEQ requirements.

Here are my first cut comments. I did not address such things as 2 names plus or equal plus all of the electrical and mechanical requirements:

First, there are no specs, require complete design, engineering and hydraulic analyses; plus the population projections.

- Sheet 1 - a. If there has been no problem with some of the existing line and it will not receive any increased loading, why not leave it as is.
- b. There seems to be no master plan for all collectors to feed an interceptor plus not all plotted lots are provided service. Object would be to insure whole town is served.
- c. What about new housing south of existing lagoons?
- Sheet 8 - a. The ditch crossing between MH-55A & 56A require a special sketch to cover bedding so there will not be a washout of soil over the pipe.
- b. It appears MH-53 is mighty close to the ditch; also same comments on ditch crossing as a. above.
- Sheet 9 - Road crossing details required between MH-50-B & 51-B.
- Sheet 12 - a. Has water depth and sludge depth been checked? May want to clean sludge out of existing cell.

- b. A minimum of 3 cells is required.
- c. How do they propose handling the flow during construction since the south end of the dike goes?
- d. Proposed layout not acceptable because of short-circuiting.
- e. Fiberglass panels on aerator baffle must have special mounting mechanism because the panels pull away and induce much short-circuiting.

Sheet 13 - a. Do not concur with proposed cell #2 layout. Move aerator approximately 70-80 feet west and extend baffle east to within 50-70 feet of dike.

- b. The existing cell #1 aerator will have to be changed around.
- c. Recommend the force main come around to south side of cell to a manhole then gravity feed straight into the cell. This will minimize problems of clogging and simplify maintenance. Present layout of force main is conducive to clogging with no means of cleaning.

Sheet 14 - a. What is a "100 AMP Lamp"?

- b. Butterfly valve required on blower.
- c. What type ground preparation is required for the foundation? Is the 12 inch block sufficient for the blower?
- d. How can you drain the cells with the 3 foot concrete wall in the equalization structure?

Sheet 15 - a. The hypochlorinator feed is not acceptable. There will be insufficient mixing.

- b. What is the detention time in the contact chamber at design and at peak flow?
- c. Must be able to drain the contact basin.
- d. The flow recorder well will freeze. Recommend a different type flow sensor. Could insulate the cover.
- e. There must be a variable level drawoff capability.

Sheet 16 - a. Why two heaters for an unmanned facility?

- b. Require electrical wiring and control diagram and power feeds.
- c. Request a switchable voltameter on the blower motors.

Memorandum  
Subject: Hudson, Preliminary Plans  
January 25, 1980  
Page three

- d. What is allowable db on the blower?
- e. Blower should be rubber (shock) mounted.
- f. What is ground preparation for the chlorine building?
- g. Which direction is the prevailing wind from; want the intake facing the wind and exhaust away from the wind.

Where is the blower inlet and what type filter will it have?

cc: Northwestern Engineering, Inc.  
P. O. Box 1006  
Casper, WY 82601 PERMIT TO CONSTRUCT

M 28 50

New Permit No. 80-23R  
 Renewal  
 Modified

Refinery Addition  
(Name of Facility)

This permit hereby authorizes the applicant:

Christensen Clifford G.  
(Last) (First) (Middle)

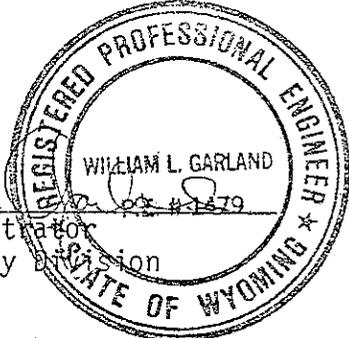
P. O. Box 161  
(Street or P.O. Box)

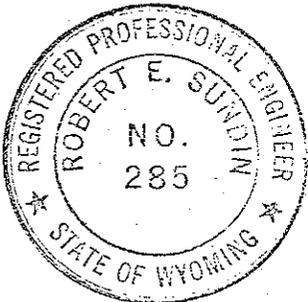
Casper Wyoming 82602  
(City) (County) (State)

to construct, install, or modify a municipal water distribution and wastewater collection systems facility located in Sec. 1, T33N, R78W, and Sec. 6, T33N, R79W. Lots I-14 (Legal Description)

in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division  


Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality  


February 26, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

4-1-80

- New
- Renewal
- Modified

Permit No. 80-24R

WYO-BEN LUCERNE PLANT SEWAGE DISPOSAL SYSTEM  
(Name of Facility)

This permit hereby authorizes the applicant:

WYO-BEN, INC. (Richard K. Brown)  
(Last) (First) (Middle)

P. O. Box 1979  
(Street or P.O. Box)

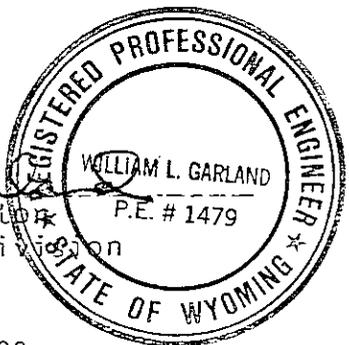
Billings, Montana 59103  
(City) (County) (State)

to construct, install, or modify a two septic tanks, evaporation pond and sewer line  
facility located in Section 32, T.44N., R.94W.  
(Legal Description)

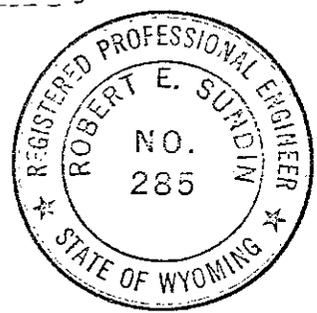
in the County of Hot Springs, in the State of  
Wyoming. This permit shall be effective for a period of two years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sundin*  
Director



Wyoming Dept. of Environmental Quality

March 26, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Wyo-Ben Lucerne Plant Sewage Disposal System

ENGINEER: Kent Brewer

OWNER: Wyo-Ben, Inc.  
P.O. Box 1979  
Billings, Montana 59103  
ATTN: Dick Brown

WATER QUALITY DIVISION REFERENCE NUMBER: 80-24

REVIEWING ENGINEER: Rick Engelmann *RE*

DATE OF REVIEW: January 22, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

Dear Dick:

I'm not sure what happened. Sometime ago I talked with one of your people in Greybull or Lucerne about what Water Quality needed in the way of application material, but all we received last week were a blueprint sheet and a manual on Wyo-Ben "Water Seal." We still need the following:

1. A completed and signed "Application for a Permit to Construct..." (see enclosed applications).
2. Three copies of blueprints and specs.
3. Specifications that include:
  - a. Size and installation procedures for the sewer pipe.
  - b. Material and installation specs for the septic tanks.
  - c. Installation specs for the pond liner.
  - d. Leakage tests for the sewer lines.
4. Calculations for the amount of wastewater flow and expected evaporation.

In addition, there must be a manhole at the junction of the truck stop and mill building sewer lines in order to facilitate maintenance.

Another point of concern is truck traffic-will large trucks be crossing these sewers? Could there be a pipe structural problem associated with this?

I am not asking for great detail on the above items, but we do need brief but concise specs for this work. If you have any questions about all of this, please don't hesitate calling.

Sincerely  
*Rick Engelmann*



cc: Robert Carlson, P.E.  
P.O. Box 111  
Green River, WY 82935

PERMIT TO CONSTRUCT

1145  
2-18

New

Permit No. 80-25

Renewal

Modified

Section 26 Common Facilities

(Name of Facility)

This permit hereby authorizes the applicant:

City of Green River

(Last)

(First)

(Middle)

P.O. Box 1140

(Street or P.O. Box)

Green River, WY 82935

(City)

(County)

(State)

to construct, install, or modify a wastewater collection system

facility located in Sec. 26, T. 18 N., R. 107 W.

(Legal Description)

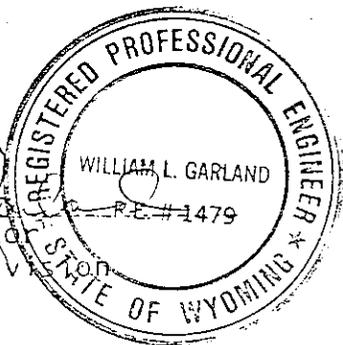
in the County of Sweetwater, in the State of

Wyoming. This permit shall be effective for a period of two years

from the date of issuance of this permit not to exceed five (5) years.

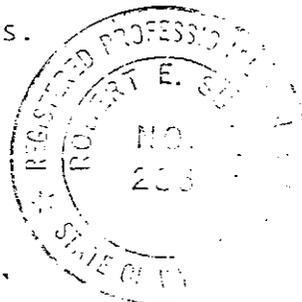
AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sunda*  
Director

Wyoming Dept. of Environmental Quality



February 6, 1980

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



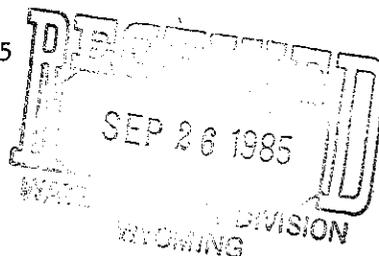
*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

September 24, 1985



Mr. Jeff Smith  
Gillette Engineering Department  
P.O. Box 3003  
Gillette, Wyoming 82716

Dear Jeff:

The Water Quality Division issued Permit to Construct Number 80-26RRR to the City of Gillette on April 10, 1980. The permit was effective for a period of three years and authorized the construction of a "water collection, storage, and pumping facility" for the City's water supply.

Of the eight wells constructed, I understand that two have yet to be equipped with pumps, piping, and associated appurtenances, thereby necessitating an extension of the Permit to Construct. I hereby extend the effective period for Permit Number 80-26RRR to another four years until April 10, 1987, so that the final equipping of the wells in question can be completed.

If you have any questions, please call.

Sincerely,

A handwritten signature in cursive script that reads "Rich Ruyle".

Rich Ruyle  
District Supervisor

RR:ls

xc: Norma Coulson

cc: Mr. Dennis Suikhonen  
Montgomery Engineers  
1301 Vista Ave.  
Boise, Idaho 83705

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 80-26RRR

GILLETTE MADISON WATER SUPPLY PROJECT  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Gillette                      Attn: Jeff Smith  
(Last)                                      (First)                                      (Middle)

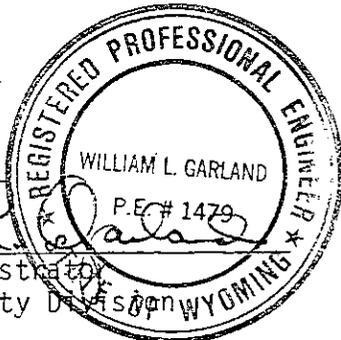
P.O. Box 3003  
(Street or P.O. Box)

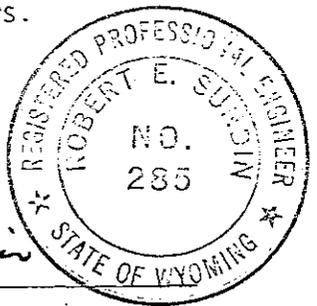
Gillette                                      Campbell                                      Wyoming 82716  
(City)                                      (County)                                      (State)

to construct, install, or modify a water collection, storage and pumping  
Section 1, T.51N., R.67W.; Section 28, T.50N., R.70W.;  
facility located in Section 6, T.51N., R.66W.; and Sections 21 and 26, T.50N., R.72W.  
(Legal Description)

in the County of Campbell and Crook, in the State of  
Wyoming. This permit shall be effective for a period of three (3) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division  


Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality  


April 10, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

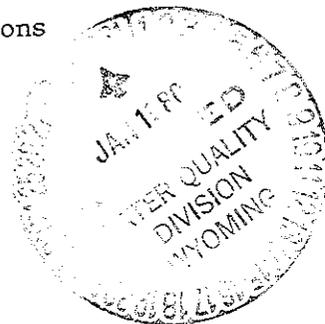
*Chesmore*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
30 East Grinnell  
Sheridan, Wyoming 82801

PROJECT: Gillette-Madison Water Project — Pumping Stations

ARCHITECT OR ENGINEER: J. M. Montgomery                      Attention: Vance Lee  
1301 Vista Avenue  
Boise, Idaho 83705



WATER QUALITY DIVISION REFERENCE NUMBER: 80-26

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: January 28, 1980

ACTION: Preliminary Plans Only. No response to this Review is necessary until such time as final plans and specifications are prepared.

COMMENTS:

1. Before a Permit to Construct will be issued, the drawings (cover sheet at the minimum) must carry the signature of a Professional Engineer, registered to practice in Wyoming.
2. When submitting final plans and specifications, please submit two copies; a completed Application for Permit to Construct (copy enclosed) should also be submitted.
3. Information justifying the proposed foundation designs for the Madison and Pine Ridge Reservoirs should be submitted.
4. Permits for construction of the septic sewage disposal systems, at the Madison and Donkey Creek Pumping Stations, will be issued separately from the Permit for the remainder of the project. Prior to issuance of said Permits, percolation test results and estimated wastewater flows must be provided.
5. Madison Pumping Station
  - a) Chlorination Facilities — Although the equipment shown and specified is of the vacuum type, it does not eliminate pressurized chlorine gas transfer lines. Equipment to accomplish this is available; has it been investigated for this installation?

Two chlorine containers are shown connected to a common manifold. This practice is considered unsafe, and should not be used. It is recommended that commercially available "automatic switchover" equipment be employed instead.

The floor drain from any room containing liquid chlorine should not be connected to any sewer connected with sanitary drains, or to a septic system. Is a floor drain necessary in such a room?

The electrical drawings should indicate that the ventilators for the chlorine storage and chlorinator rooms can be switched on from outside the doors to those rooms.

- b) Surge Tank — The specifications should require that the tank comply with the appropriate ASME code for unfired pressure vessels. An appropriate pressure relief valve must also be specified.
- c) Will harness sets for the pump discharges be necessary?

Donkey Creek Pumping Station

- a) Only one isolation valve for the 10" Pressure Relief Valve is shown in the valve pit. An additional isolation valve is needed.
- b) The backflow preventer should not be installed in a vertical piping run. Backflow preventers will not operate in the anti-backsiphonage mode unless installed horizontally.
- c) A 1" PW water line is shown travelling either over a Motor Control Center, or within a foundation wall. Neither installation is recommended.

cc: Paul McCarthy  
Robert Jack Smith & Assoc.  
Box 1104  
Rawlins, WY 82301

PERMIT TO CONSTRUCT

New Permit No. 80-27  
 Renewal  
 Modified

Town of Saratoga  
Hugus Avenue 12" Water Line  
(Name of Facility)

This permit hereby authorizes the applicant:

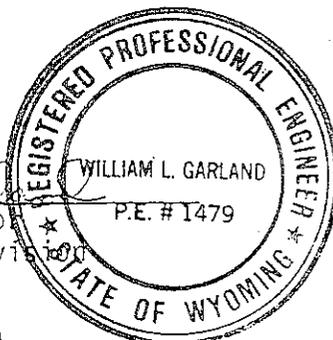
John McNellis  
(Last) (First) (Middle)  
Box 1067  
(Street or P.O. Box)  
Saratoga, WY 82331  
(City) (County) (State)

to construct, install, or modify a municipal water distribution  
facility located in Sec 10 & 11, T17N, R84W  
(Legal Description)

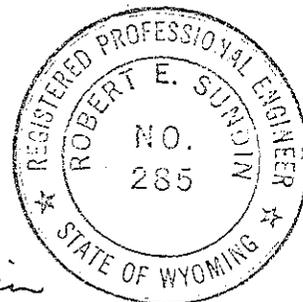
in the County of Carbon, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Surdin  
Director  
Wyoming Dept. of Environmental Quality



February 4, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Construction Permit File 80-28

FROM: Thomas S. Norman *TSN*

DATE: May 8, 1986

SUBJECT: Dolling Subdivision Water and Sewer Improvements

In an effort to clean up old files, this project has been reviewed. To the best information available, this project was settled with enforcement action under NOV & Order Docket No. 707-80. Although a permit was never issued, the NOV seems to have resolved the problem. Therefore, this project can be removed from the construction permit listing.

TSN/nc

THE STATE



OF WYOMING

*County files*

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality  
Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 24, 1980

MSM Consultants, Inc.  
Attn: Mr. Roy Walters  
350 West A  
Casper, WY 82601

Re: Dolling Subdivision "As Built"  
Plans, Medicine Bow, WY,  
DEQ/WQD Ref. No. 79-30 and 80-28

Dear Mr. Walters:

This is to confirm the joint telephone conversation held on March 4, 1980 by yourself, Mr. Jake Strohmman of this office and myself pertaining to the referenced subject.

As per our agreement, please submit to this office in duplicate at your earliest convenience "As Built" plans of the 10 inch sewer main starting at the Dolling Subdivision lift station and extending to manhole D-2 located near the southeast corner of the municipal lagoon property.

We will await your reply in this matter. Please call or write Mr. Strohmman if you have any questions in this regard.

Sincerely,

*for*   
Robert H. Pinther, M.S., P.E.  
Environmental Engineer

RHP/tsb

cc: Jake Strohmman, Water Quality  
Engineering Control Supervisor

cc: Associated Engineers  
910 Garfield Street  
Laramie, WY 82070

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-29

Indian Hills, Third Addition  
(Name of Facility)

This permit hereby authorizes the applicant:

Door, LTD.

(Last) (First) (Middle)

P.O. Box 3623

(Street or P.O. Box)

Laramie,  
(City)

(County)

WY 82071

(State)

to construct, install, or modify a municipal distribution and collection system  
facility located in Sec. 26, T16N, R73W  
(Legal Description)

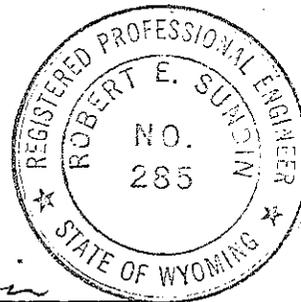
in the County of Albany, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



January 30, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

80-29

THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*

*Water Quality Division*

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING  
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 13, 1981

Dr. Donald Lamb  
Associated Engineers  
910 Garfield Street  
Laramie, Wyoming 82070

RE: Permit to Construct No. 80-29, Indian Hills Third Addition Pump Station, your letter February 17, 1981

Dear Dr. Lamb:

Our engineering review of the referenced pump station submission has been completed, and it has been determined that minimum State standards have been satisfactorily met. Since your original application for a permit to construct contained the pump station, a new Permit to Construct will not be issued. This letter should be attached to your copy of Permit to Construct, No. 80-29.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "LeRoy C. Feusner".

LeRoy C. Feusner, P.E.  
Southeast District Supervisor

LCF/ad

cc: Banner & Associates  
P.O. Box 550  
Laramie, WY 82070

1-31-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-31  
(Ref. No. 79-319RR)  
C560111940

Town of Rock River Sewer Collector & Outfall Lines  
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Rock River  
(Last) (First) (Middle)

P.O. Box 5  
(Street or P.O. Box)

Rock River, WY 82083  
(City) (County) (State)

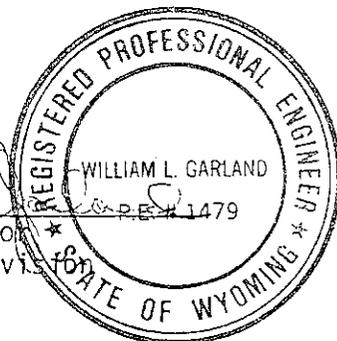
to construct, install, or modify a sewer collector lines

facility located in Sec. 32, T21N, R76W  
(Legal Description)

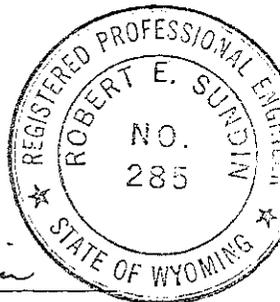
in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Surdin  
Director  
Wyoming Dept. of Environmental Quality



January 29, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

New

Permit No. 80-32

Renewal

Modified

University of Missouri Field Station Wastewater Disposal System  
(Name of Facility)

This permit hereby authorizes the applicant:

University of Missouri - Tom Freeman

(Last)

(First)

(Middle)

(phone: 314/882-6673)

Office 9 - Geology Building

(Street or P.O. Box)

Columbia,

(City)

Missouri

(County)

65201

(State)

to construct, install, or modify a septic tank/leach pit

facility located in Sec. 24, T. 32 N., R. 101 W.

(Legal Description)

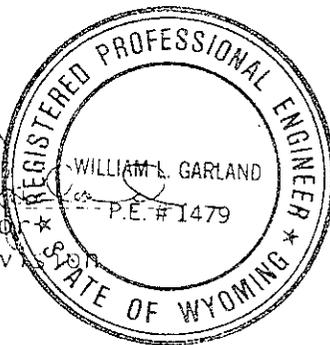
in the County of Fremont, in the State of

Wyoming. This permit shall be effective for a period of two years

from the date of issuance of this permit not to exceed five (5) years.

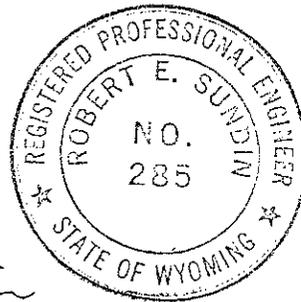
AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sundin*  
Director

Wyoming Dept. of Environmental Quality



January 24, 1980

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



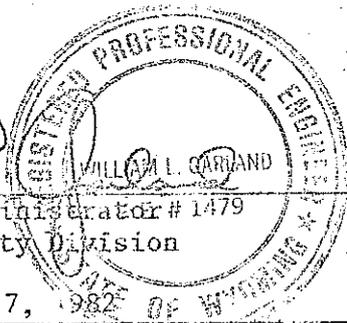
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

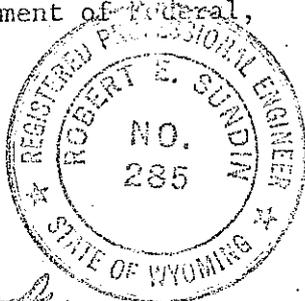
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
*William L. Cardand*  
Administrator # 1479  
Water Quality Division  
January 7, 1982  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

This permit does not supercede the requirements for obtaining any permit from local agencies.

AJB/db

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: C-V Ranches, Inc.

ENGINEER: Peter M. Jorgensen  
P.O. Box 1142  
Jackson, WY 83001

Attn: Robert T. Ablondi

OWNER: C-V Ranches, Inc.  
P.O. Box 240  
Wilson, WY 83014

WATER QUALITY DIVISION REFERENCE NUMBER: 80-33RR

REVIEWING ENGINEER: Al Berreth *af*

DATE OF REVIEW: April 13, 1981

ACTION: Not authorized.

COMMENTS:

Upon resolution of the following items, a "Permit to Construct" will be issued.

- 1) Three copies of plans and specifications are needed. All pages of drawings need to be stamped by a Wyoming registered civil engineer. Only sheets which are changed need to be submitted in triplicate.
- 2) Several tees do not show thrust blocking. Please show all required thrust blocking.
- 3) If future chlorination is required, it is not recommended that application be made at the pressure tank vault, because the flow may short circuit the vault and go directly into the distribution system. Should chlorination be needed, a permit is required for its installation.
- 4) Sewer line crossings need to be shown on profile.
- 5) The specifications on galvanized service line was not found. Was it inadvertently overlooked by you or me?
- 6) The specifications refer to a four-hour test, instead of a six-hour test, for yield and drawdown.
- 7) Nothing could be found in section 401, which discussed the joining of individual lengths of well casing.

Review of Plans and Specifications - C-V Ranches, Inc.  
Date of Review - April 13, 1981, Page Two

- 8) Point 8g has not been addressed. The plans shows a ten-foot minimum depth, and nothing was found in the specifications.
- 9) Please elaborate on the submersible pump cable and how it is to be connected to the drop pipe.
- 10) A Baker-Monitor Pitless adaptor, Model #6PS-810WB-V-E23-T3 is specified. Which number specifies the pitless adaptor diameter?
- 11) A drain is not shown for the flow meter vault.
- 12) Please show pressure gauge for pressure tank vault on drawing.
- 13) No comment on the fire protection until the pump curves arrive.
- 14) Please show on the drawings that the floor of the fire protection pumphouse is six inches above ground.
- 15) Please show fire protection pumphouse ventilation.
- 16) Thrust blocking needs to be shown on the plan at the elbows below the pressure tank vault and fire protection pumphouse.

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: C-V Ranches, Inc./Teton County

ENGINEER: Peter M. Jorgensen Attention: Stanley L. Zaist  
P.O. Box 1142  
Jackson, WY 83001

OWNER: C-V Ranches, Inc.  
P.O. Box 240  
Wilson, WY 83014

WATER QUALITY DIVISION REFERENCE NUMBER: 80-33R

REVIEWING ENGINEER: Albert J. Berreth, P.E. *AB*

DATE OF REVIEW: November 20, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: In order to issue a "Permit to Construct", the following items need to be clarified:

1. Which well is to be the fire protection well and which is to be domestic?
2. All pages of the drawings need to be stamped by a professional engineer.
3. Locations of the "Flow Meter Vault" and "Fire Protection Pumphouse" need to be shown on the plan.
4. A profile of the water system needs to be shown with the various utility crossings.
5. Galvanized service line cannot be used.
6. Please note your source for the fire protection flow requirement.
7. It is recommended that Ken Sutton, Teton County Assistant Fire Warden, be contacted as to type and location of fire hydrant.
8. In regard to well construction, the following items need to be incorporated into the specifications even though they may be implied:
  - a. Yield and drawdown tests shall provide for continuous pumping for at least 24 hours or until stabilized drawdown has continued for at least six hours when test pumped at 1.5 times the design pumping rate.

*A, B, C*

- b. A well log must be kept.
  - c. Plumbness and alignment must be checked.
  - d. Minimum weights per foot of well casing should be included.
  - e. The steel casing must have "full circumferential welds" or be threaded.
  - f. A sieve analysis is required to determine screen size.
  - g. The grout envelope must be 1½ inches thick and at least 20 feet deep.
  - h. The submersible electrical cable must be firmly attached to the riser pipe at 20 foot intervals.
9. Is the pitless unit, as specified, a minimum of 8 inches in diameter?
10. Please consider the following concerning the "Flow Meter Vault":
- a. Does the vault have a drain?
  - b. A sample tap needs to be provided.
  - c. A pressure gauge is needed.
  - d. Installation of an air release valve should be considered.
  - e. If in the future bacteriological tests prove unsafe, chlorination will be required. This vault seems to be the most likely location. Consideration should be given to providing a tap for chlorination or the provision of chlorination.
11. The domestic and fire protection wells need to be provided with shutoff valves.
12. The domestic well needs to have a blow off near by so that test pumping can be accomplished.
13. Pump curves are required.
14. Please note the formations which are expected during well drilling.
15. An inorganic chemical analysis, bacteriological analysis, and radionuclide analysis will need to be done with the results sent to EPA. Please also submit the initial reports to this office. Note that monthly bacteriological samples are required by EPA. The local EPA contact is Pat Crottey (303 837-2731).
16. What is the minimum depth to groundwater?
17. A pressure gauge is needed in the "Pressure Tank Vault".

18. On page 1 of 3, in section 401, is a "typo", 275 gpm should be 375 gpm.
19. A detail is needed of the fire hydrant. Also, a gate valve is needed between the main line and fire hydrant.
20. Please submit your calculations showing minimum pressure during fire flow.
21. The floor of the "Fire Protection Pumphouse" must be 6 inches above ground elevation.
22. The "Fire Protection Pumphouse" must be well ventilated.
23. The line shaft turbine pump must have the casing firmly connected to the pump structure or have the casing inserted into a recess extending at least  $\frac{1}{2}$  inch into the pump base and have the pump foundation and base designed to prevent water from coming into contact with the joint.
24. Blow offs must be installed at the ends of all mains.
25. Thrust blocking needs to be shown on the elbows below the "Pressure Tank Vault" and "Fire Protection Pumphouse".

AJB/kn

cc: Robert Ablondi  
Cheyenne DEQ/WQD

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: C-V Ranches, Inc. Water System  
Sec. 12, T. 41 N., R. 117 W., Teton County

ENGINEER: Peter M. Jorgensen, P.E.  
P.O. Box 1142  
Jackson, WY 83001

OWNER: C-V Ranches, Inc.  
P.O. Box 568  
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-33

REVIEWING ENGINEER: <sup>DWH</sup> David W. Hill, P.E.

DATE OF REVIEW: January 22, 1980

ACTION: NOT AUTHORIZED.

CO: NTS:

The on-site wastewater systems for C-V Ranches have been authorized. For record keeping purposes, I have separated the public water system application from the wastewater applications.

It is my understanding that you are applying for a "Permit to Construct" for the water system as it eventually will be more than ten connections. This "Permit to Construct" would be good for two years after which renewal could be obtained.

The following comments are forwarded:

1. Specifications and/or detailed drawings should be provided for water line-sewer line crossovers.
2. Are blowoffs needed in the system?
3. A chemical and bacteriological analysis of the well should be obtained and submitted.



THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 19, 1980

C-V Ranches, Inc.  
P.O. Box 240  
Wilson, WY 83014

Re: DEQ #80-33R

Dear Sirs:

A water system was reviewed for a "Permit to Construct" on November 20, 1980. To date, there has been no response to that review. If an answer is being sent, please disregard this letter. If a "Permit to Construct" is no longer desired, please send us a letter and the plans and specifications will be returned.

Respectfully,

*Albert J. Berreth*

Albert J. Berreth, P.E.  
Southwest District Engineer

AJB/kn

cc: Peter M. Jorgensen - Stanley Zaist



*Department of Environmental Quality*  
*Water Quality Division*

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 9, 1981

Peter M. Jorgensen  
P.O. Box 1142  
Jackson, WY 83001

ATTN: Stanley L. Zaist

RE: DEQ #80-33R

Dear Mr. Zaist:

It has been over 60 days since the water system for C-V Ranches, Inc. was reviewed for a "Permit to Construct." A response to that review has not been received. If an answer is on the way, please disregard this letter. If not, please let us know when we can expect an answer or if you wish to withdraw the application. Please send a letter of your wish to withdraw the application and the plans and specifications will be returned.

Respectfully,

Handwritten signature of Albert J. Berreth in cursive.

Albert J. Berreth, P.E.  
Southwest District Engineer

AJB/nb

CC: C-V Ranches, Inc.

cc: MSM Consultants, Inc.  
350 West A Street, Suite 110  
Casper, WY 82601

17  
527

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-34RR

Airport Business Park, Phase I  
(Name of Facility)

This permit hereby authorizes the applicant:

Henry Hewitt et al Sinclair Land & Development Co.  
(Last) (First) (Middle)

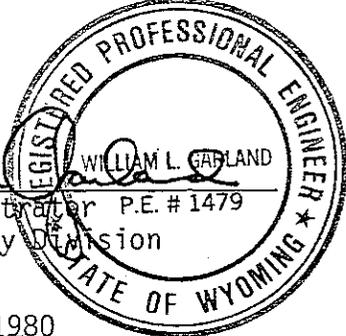
c/o Maxson Realtors  
507 W. Cedar  
(Street or P.O. Box)

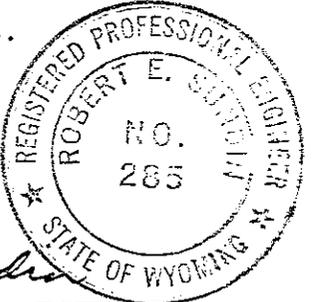
Rawlins, WY 82301  
(City) (County) (State)

to construct, install, or modify a water and sewer mains  
facility located in Sec. 10, T21N, R87W  
(Legal Description)

in the County of Carbon, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator P.E. # 1479  
Water Quality Division  


Robert E. Sandus  
Director  
Wyoming Dept. of Environmental Quality  


May 9, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



cc: B.F. Cronin  
P.O. Box 532  
Casper, WY 82602

*Handwritten initials*

PERMIT TO CONSTRUCT

New Permit No. 80-35  
 Renewal  
 Modified

Wyoming Industrial Park Subdivision East of Rancho Road,  
Sanitary Sewer System  
(Name of Facility)

This permit hereby authorizes the applicant:

North Platte Water & Sewer District  
(Last) (First) (Middle)  
P.O. Box 1488  
(Street or P.O. Box)  
Casper, WY 82602  
(City) (County) (State)

to construct, install, or modify a sanitary sewer system (extension)  
facility located in Sec. 4, T33N, R79W  
(Legal Description)

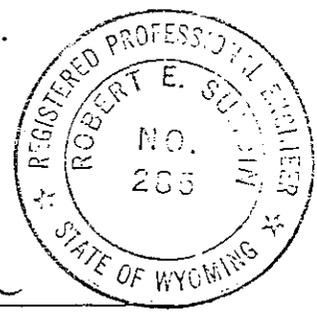
in the County of Natrona, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Suttin*  
Director  
Wyoming Dept. of Environmental Quality



February 8, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

11-20-80

New

Permit No. 80-36

Renewal

Modified

Amoco's Elk Basin Field Storage Building Disposal System  
(Name of Facility)

This permit hereby authorizes the applicant:

Amoco Production Company (R.E. Carter - District Superintendent)  
(last) (First) (Middle)

P.O. Box 569  
(Street or P.O. Box)

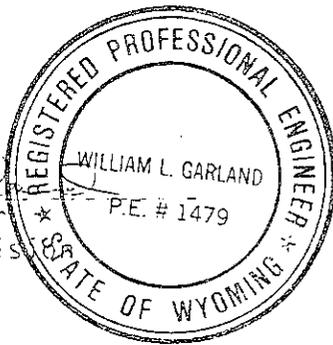
Powell, Wyoming 82435  
(City) (County) (State)

to construct, install, or modify a septic tank - leach field  
facility located in Sec. 24, T. 58 N., R. 100 W.  
(Legal Description)

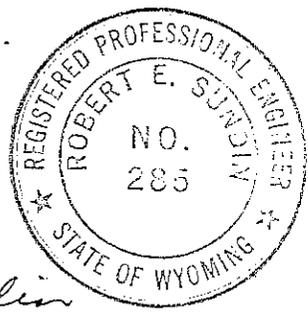
in the County of Park, in the State of  
Wyoming. This permit shall be effective for a period of two years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sundin*  
Director  
Wyoming Dept. of Environmental Quality



January 25, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Philip M. Hoyt  
Laramie Engineering  
504 South Fourth  
Laramie, WY 82070

PERMIT TO CONSTRUCT

New

Permit No. 80-37R

Renewal

Modified

Water Line Project, Motel 6 Inc., Knoll & Skyline Plaza Additions  
(Name of Facility)

This permit hereby authorizes the applicant:

Johnson, Norval D.  
Williams, Earl L.  
(Last) (First) (Middle)  
P.O. Box 1030  
P.O. Box 181  
(Street or P.O. Box)  
Laramie, WY 82070  
(City) (County) (State)

to construct, install, or modify a water distribution system  
facility located in Sec. 4, T15N, R73W  
(Legal Description)

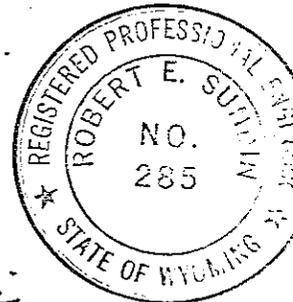
in the County of Albany, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



March 11, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

11-2-8-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~STATE OFFICE BUILDING~~ Hathaway Bldg.  
Cheyenne, Wyoming 82002

PROJECT: Water Line Project, Motel 6, Inc., Knoll Addition, Skyline Plaza Addition, Laramie, WY, Albany Co.

ARCHITECT OR ENGINEER: Laramie Engineering, P.C., 504 South 4th St., Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 80-37

REVIEWING ENGINEER: *Robert H. Pinther*  
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: January 31, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Flushing valves shall discharge above grade at locations not subject to flooding or to absorption pits underground.
2. In connection with the water lines testing, make the following changes in the paragraph at the top of page WL-4 of the specifications:
  - a. Change "C-600" to "C-600, latest edition."
  - b. Change the sentence at the top of page WL-4 of the specifications to read: "A test pressure of 150 psi at (1) the lowest elevation along the test section or (2) 1.25 x the working pressure at the highest point along the test section, whichever is the greater shall be used."
  - c. Change the maximum permissible leakage from "0.38 gallons per hour per 100 joints per inch of diameter" to "0.19 gallons per hour ----- per inch of diameter."
3. All backfill material shall be free of cinders, ashes, refuse, vegetable or organic material, boulders, rocks or stones, frozen soil or other material that, in the opinion of the engineer, is unsuitable.

cc: John A. Lambert  
Box 34  
Douglas, WY 82633

PERMIT TO CONSTRUCT

New

Permit No. 80-38

Renewal

Modified

Douglas Electric Company  
(Name of Facility)

This permit hereby authorizes the applicant:

Russell, A. V.  
(Last) (First) (Middle)

Box 102  
(Street or P.O. Box)

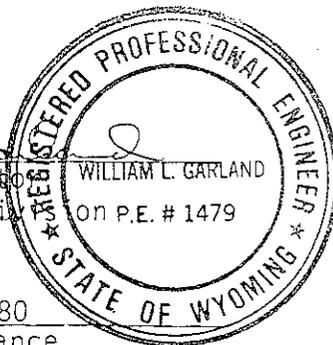
Douglas, WY 82633  
(City) (County) (State)

to construct, install, or modify a commercial subsurface disposal  
facility located in Sec. 8, T32N, R71W  
(Legal Description)

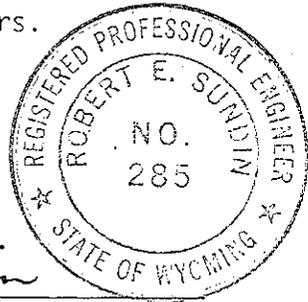
in the County of Converse, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sundin*  
Director



Wyoming Dept. of Environmental Quality

January 31, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

New

Permit No. 80-39RRR

Renewal

Modified

Split Rock Mill, Jeffrey City  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Western Nuclear, Inc.

c/o Grey Bogden, Director Environmental & Industrial Safety

134 Union Blvd.

Lakewood, CO 80228

to construct and install monitoring wells and southwest and northwest valley pump back systems according to the procedures and conditions of the application No. 80-39RRR. The facility is located in vicinity of the Western Nuclear Split Rock Mill, Jeffrey City in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) (according to stipulations of Docket No. 643-79) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The Permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

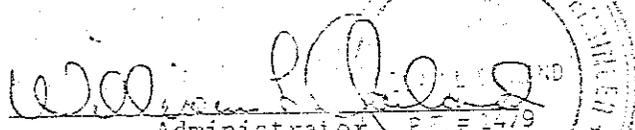
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

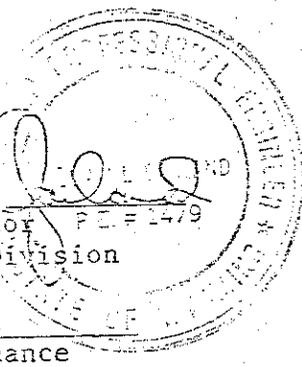
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main, Lander, Wyoming, 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

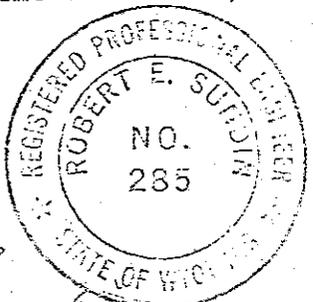
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator P.E. #1479  
Water Quality Division  
May 19, 1981  
Date of Issuance



  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality



This permit does not supercede the requirements for obtaining any permit from local agencies.

cc: D'Appolonia Consulting Engineers, Inc.  
P. O. Box 22417  
Englewood, CO 80112

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Western Nuclear, Inc.  
Executive Office Suite 640  
134 Union Boulevard, Lakewood, CO 80228  
ARCHITECT OR ENGINEER:  
D'Appolonia

"As built" wastewater pond construction at Split Rock Mill, Jeffrey City, WY. New application for monitoring & pumpback station.

WATER QUALITY DIVISION REFERENCE NUMBER:  
80-39

REVIEWING ENGINEER:  
A. J. Mancini

DATE OF REVIEW:  
November 26, 1980

ACTION:  
Additional information required to evaluate monitoring & pumpback system. The design and construction of the pumpback system is not complete.

COMMENTS:

Inasmuch as the tailings disposal pond has already been constructed and modified without a permit, a permit will not be issued by the Division. However, the permit would not have been issued prior to construction unless the Division was ensured that no further pollution would occur. A groundwater monitoring program and a groundwater pollution control plan are very significant for the continued operation of the Western Nuclear, Inc. Split Rock facility, and the submittal of a separate permit application by Western Nuclear, Inc. for the construction of monitoring wells and a containment system for controlling groundwater pollution is required. The application form for this construction is the same form used for pond construction, and should be accompanied by:

- A. Plans and specifications for a monitoring program.
  1. A listing of all wells to be installed and wells already constructed; the location of each well by  $\frac{1}{4}$ - $\frac{1}{4}$  Section, Township and Range; the name/number of each well.
  2. Type(s) of construction for each well to be installed.
  3. Well dimensions for each well, including total depth.
  4. Casing materials and dimensions, including depths, for each well.
  5. Ground elevation at each well site (can be estimated).
  6. Completion procedures and information for each well, including, but not limited to:

## REVIEW OF PLANS AND SPECIFICATIONS

Western Nuclear, Inc.

COMMENTS: continued

- a. Details of cementing or other method of sealing the annulus between the well bore and casing in the hole;
  - b. Completion interval(s), whether open hole, screened, or perforated, and as appropriate, diameter, length, opening size, kind of screen, or number and kind of perforations;
  - c. Details of any gravel pack to be used;
  - d. Well stimulation procedures and materials, if any;
  - e. Well logging program.
7. Well testing and/or sampling plans.
  8. Annotated drawings, to suitable scale, of a "type(s)" well(s) to be installed.
  9. Approximate date work will start.
  10. Name, address, telephone number of contractor/well driller.
- B. Complete details of the proposed pumpback (interceptor) program.
- 1 through 10, same information required as in A above, for each well.
11. Pump setting and pump design information for each well.
  12. Pumping rates or schedules for each well, and aggregate for each of the pumpback systems, and the relationship to the industrial well pumping.
  13. An explanation of how the pumpback system will be "triggered" and operated so that off-site groundwater uses and quality will be protected according to the provisions of Water Quality Rules and Regulations, Chapter VIII, specifically, Sections 3.c., 4.c., and 4.d.(6).
  14. Plans and specifications for the pipes and pipeline system from the pumpback wells to the place(s) of water use.
- C. A map(s) showing the identifications and locations of all monitoring and pumpback wells to be constructed, and existing wells which are to be used to monitor groundwater quality, and the pipeline system.
- D. A monitoring schedule(s) that applies to each of all monitoring wells, indicating time(s) between sampling and parameters included in the analysis(es).

Copy



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

# Department of Environmental Quality

## Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING  
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 4, 1980

Mr. Ross Scarano, Chief  
Uranium Recovery Licensing Branch  
Division of Waste Management  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

RE: Proposed License Conditions for the Split Rock Mill, TFN 1 5/157

Dear Ross:

We have reviewed the proposed Split Rock Mill License Conditions tele-copied to us on August 28, 1980. These proposed conditions appear to generally be in line with what the Department is pursuing. Provided below are recommendations that you may want to consider as you finalize the conditions. These recommendations are representative of what the Department considers to be necessary elements of the permit application.

1. RE: Proposed Conditions No. 2. and 4. (last paragraph)

The site "hydrology study", a resistivity survey, will not be adequate in itself to classify Groundwaters of the State and establish water protection standards in accordance with Water Quality Rules and Regulations Chapter VIII. Even though the survey may delineate one or more plumes of groundwater contamination extending from the tailings disposal pond, water quality data in the form of the distribution of concentrations of various chemical constituents in the groundwater is required. A viable groundwater monitoring program must be established, based on a number of strategically placed monitoring wells. The sooner the resistivity survey can be completed and monitoring wells installed, the sooner the policy and purpose of the Environmental Quality Act will be upheld.

2. RE: Proposed Condition No. 3

In concert with the above considerations, the applicant should define in detail control practices that will be implemented should monitoring required by Condition No. 2. show that the environmental protection standards established for various affected and non-affected adjacent waters may be exceeded. The accepted control practices should be capable of reducing the seepage to a level that the environmental protection standards for adjacent affected and non-affected waters will not be exceeded.

Mr. Ross Scarano  
TFN 1 5/157  
September 4, 1980  
Page Two

3. RE: Proposed Condition No. 8.

The reclamation or abandonment plan should also include consideration of stabilizing the subsurface contaminated waters so that they would not adversely affect adjacent waters over the long-term.

4. RE: Proposed Condition No. 10.

By statute, the Land Quality Division must retain a bond to reclaim all affected lands in the permit area. Through the working agreement procedures should be worked out if possible to eliminate dual bonding.

I hope we can work towards a timely approval so that these necessary environmental controls can be implemented in the near future. Right now, what is of greatest importance is to get a definition of the extent of contamination at the site.

Sincerely,

W.C. Ackerman  
Administrator  
Land Quality Division

Bill Garland  
Administrator  
Water Quality Division

GB:WCA:BG:m1

cc: Pete Kozisek  
Grey Bogden



*Department of Environmental Quality*  
*Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 19, 1980

Western Nuclear, Inc.  
134 Union Blvd., #640  
Lakewood, CO 80228

ATTN: Grey Bogden

Re: Review of Plans and Specifications,  
Water Quality Division Project: Split  
Rock Uranium Mill - Wastewater Pond  
Construction

Gentlemen:

The subject review was made of the submittal by D'Appolonia for Western Nuclear, Inc. (Water Quality Division Application #80-39).

The comments by the Water Quality Division included six (6) items. This letter is written as a clarification of the first item in the review of March 12, 1980. The first item is very significant and is intended to include a verbatim repetition of No. 4 of the Order, of the Notice of Violation and Cease and Desist Order issued by the Department to Western Nuclear, Inc. and a statement that Western Nuclear is not in compliance with the Order.

The remainder of the first item of the subject review is a separate item of the review.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jake Strohmman".

Jake Strohmman  
Engineering Control Supervisor

JS/nc

cc: D'Appolonia Consulting Engineers, Inc.  
P.O. Box 22417  
Englewood, CO 80112  
ATTN: Michael J. Taylor

Robin Collins, DEQ/WQD, Lander

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Split Rock Uranium Mill - Wastewater Pond Construction

ENGINEER: D'Appolonia Consulting Engineers, Inc.  
P.O. Box 22417  
Englewood, CO 80112  
ATTN: Michael J. Taylor

OWNER: Western Nuclear, Inc.  
134 Union Blvd, #640  
Lakewood, CO 80228  
ATTN: Grey Bogden

WATER QUALITY DIVISION REFERENCE NUMBER: 80-39

REVIEWING ENGINEER: Anthony J. Mancini, P.E. and M. Robin Collins, P.E.

DATE OF REVIEW: March 12, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

After reviewing the aforementioned project, we would like to offer the following comments for your reply in processing the necessary permit.

1. Item #4 of our Department's Notice of Violation Order requesting a groundwater pollution control plan for this facility was not adequately covered in the material submitted to this office. In particular, the following questions concerning this matter still need to be addressed. (a) What monitoring programs have been or will be implemented in order to determine when and if pollution is a threat to the Sweetwater River and/or wells near the mill site? (b) What will be done if pollution is found in the river or is indicated as becoming a hazard to local well water users?
2. Request clarification of the second paragraph on page F-2 and any available data which supports the conclusion that any locally induced southwesterly groundwater movements from the pond turns north toward the Sweetwater River.
3. On page F-6: Do the industrial wells provide water for the plant personnel? If not, what is? Also, need T and S values for the aquifer in the vicinity of the industrial wells, if known, and the production schedule for each well.
4. Table 1 - Samples S-6 and S-7 from Sweetwater River: What is the significance of the arsenic and uranium concentrations shown? Please explain why the arsenic's dissolved concentration is greater than its total concentration.

REVIEW OF PLANS AND SPECIFICATIONS  
SPLIT ROCK URANIUM MILL-WASTEWATER POND CONSTRUCTION  
#80-39  
MARCH 12, 1980  
PAGE TWO

5. Table 14 - We would like to request the latest chemical and radiological analysis available for all town wells also be submitted. Need legal description of all town wells (in particular #1 and #2) and would like to request T & S values for the aquifer in the vicinity of the town wells and the production schedule for each well.
6. On page F-17: Please explain where the  $\text{CO}_2(\text{g})$  by product of the hydrolysis of carbonic acid ( $\text{H}_2\text{CO}_3^*$ ) in the groundwater is supposed to go. This chemical reaction cannot go to completion unless the  $\text{CO}_2(\text{g})$  is removed from the system and I don't feel this can be readily accomplished in a "closed" groundwater environment.

If further information is needed or if you have any questions concerning this review, please do not hesitate to contact us. We look forward to your reply.

(A,C)



*Department of Environmental Quality*  
*Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

To: Files  
From: A. J. Mancini, P.E. *ajm*  
Date: March 11, 1980  
Subject: Comments on Western Nuclear submittal ("as built"), 80-39, given to Robin Collins by phone morning of March 11, 1980.

1. Request clarification of 2nd paragraph on page F-2, and data to support conclusion concerning southwesterly groundwater movement turning north.
2. (Page F-6) Do industrial wells provide water for plant personnel? If not, what is source of water for personnel? Report "T" and "S" values for aquifer in vicinity of industrial wells, if known, and production schedule for each well: gpm, duration of pumping.
3. In samples from Sweetwater River of Table 1 (S-6 and S-7), what is significance of arsenic concentrations? Is the dissolved concentration greater than total concentration? Compare to "historical data". Same questions for uranium.
4. Relative to Table 14, request complete available data (latest of record) for chemical and radiological analyses for all Town Wells, legal description of these wells, "T" and "S" values for the aquifer, production schedule for each well.
5. What monitoring programs have been, or will be, implemented to determine when and if pollution is a threat to the Sweetwater River and/or local water wells near the mill site? What will be done if pollution is found in the River or is, or indicated as becoming, a hazard to well-water users?
6. Applicant has not responded to Item #4 of the Order.

cc: Paul Rechar  
316 Stuart Street  
Laramie, WY 82070

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-40  
Ref. No. 78-719R

BARNDS DAM AND RESERVOIR  
(Name of Facility)

This permit hereby authorizes the applicant:

Kerr-McGee Coal Corporation  
(Last) (First) (Middle)

Caller Box 3013  
(Street or P.O. Box)

Gillette Campbell Wyoming 82716  
(City) (County) (State)

to construct, install, or modify a water pollution control reservoir  
facility located in Section 14, T.43N., R.70W.  
(Legal Description)

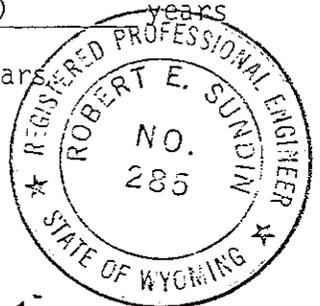
in the County of Campbell, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality

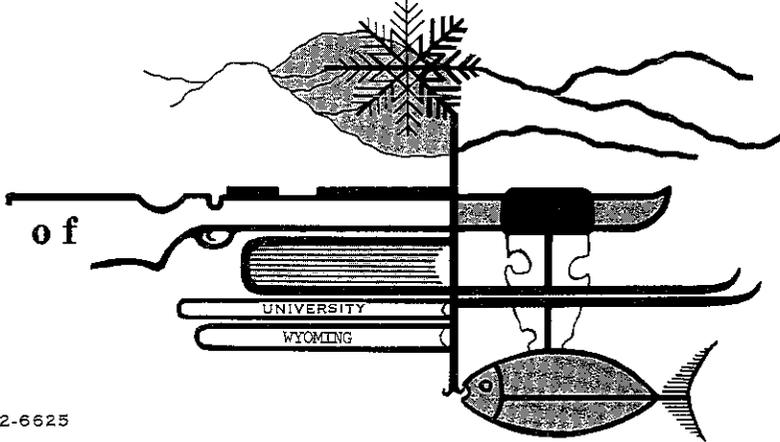


February 29, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

80-41  
Ref. No.  
79-705R

CITY of



LARAMIE

Wyoming  
82070

P. O. BOX C  
PHONE (307) 742-6625

Jan. 28, 1980

Wyoming Department of Environmental Quality  
Water Quality Division  
Leroy Feusner, P.E.  
Cheyenne, Wyoming 82002

Leroy,

Enclosed you will find three copies of revised plans for the North Third Street Water Improvements 1979. The permit number is 79-705R. There were a few minor errors and the profile has been added now that we know what we are dealing with. If you have any questions please call me.

Sincerely,

*Lonnie Lanners*

Lonnie Lanners  
Civil Engineer



*City of Laramie would like to withdraw (cancel) this permit. They do not want permits. Throw away*

*Submitted  
new plans  
80-68  
on 2-14-80*

cc: James D. Voeller  
1111 E. Lincolnway  
Cheyenne, WY 82001

11  
2-80-10

PERMIT TO CONSTRUCT

New

Permit No. 80-42

Renewal

Modified

Rocky Mountain Industrial Park  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Cheyenne  
(Last) (First) (Middle)

2101 O'Neil Ave.  
(Street or P.O. Box)

Cheyenne, WY 82001  
(City) (County) (State)

to construct, install, or modify a municipal water & sewer  
facility located in Sec. 2 & 3, T13N, R66W  
(Legal Description)

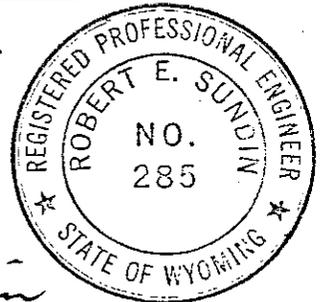
in the County of Laramie, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



February 15, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Harry O. Patterson  
437 S. Spruce  
Casper, WY 82601

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 80-43RR

Millchem Office & Warehouse  
(Name of Facility)

This permit hereby authorizes the applicant:

Selby, Harold  
(Last) (First) (Middle)

Selby Trailer Sales  
711 North Jackson

(Street or P.O. Box)

Casper, WY 82601  
(City) (County) (State)

to construct, install, or modify a septic system and disposal

facility located in Sec. 29, T34N, R79W  
(Legal Description)

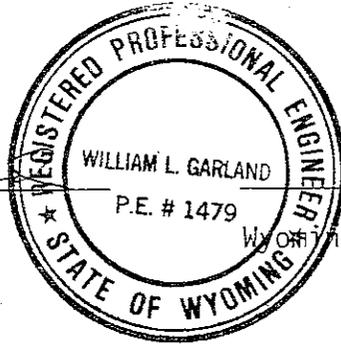
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

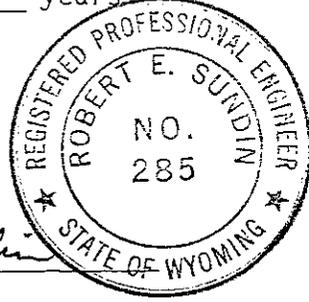
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



March 11, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.



cc: Gray C. Wangelin  
Kumpe & Associates  
P.O. Box 4240  
Casper, WY 82601

17  
2-15-80

PERMIT TO CONSTRUCT

New Permit No. 80-44  
 Renewal  
 Modified

Petrotomics Company Scanner Building  
(Name of Facility)

This permit hereby authorizes the applicant:

Petrotomics Company  
Michael Franko  
(Last) (First) (Middle)

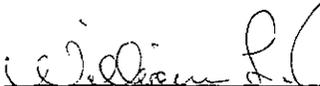
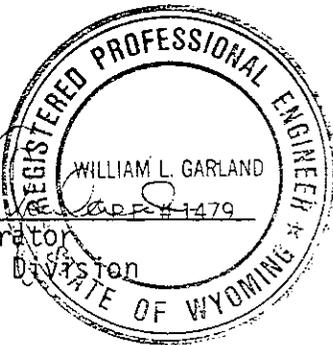
P.O. Box 2509  
(Street or P.O. Box)

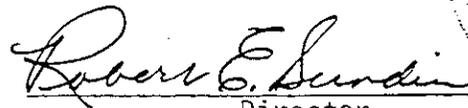
Shirley Basin, WY 82615  
(City) (County) (State)

to construct, install, or modify a small subsurface disposal  
facility located in Sec. 4, T27N, R78W  
(Legal Description)

in the County of Carbon, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

  
Administrators  
Water Quality Division  


  
Director  
Wyoming Dept. of Environmental Quality  


February 12, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Gray C. Wangelin  
Kumpe & Associates, Inc.  
Box 4240  
Casper, WY 82601

M-  
2-15-80

PERMIT TO CONSTRUCT

New

Permit No. 80-45

Renewal

Modified

Petrotomics Company Guard Building  
(Name of Facility)

This permit hereby authorizes the applicant:

Petrotomics Company  
Michael Franko  
(Last) (First) (Middle)

P.O. Box 2509  
(Street or P.O. Box)

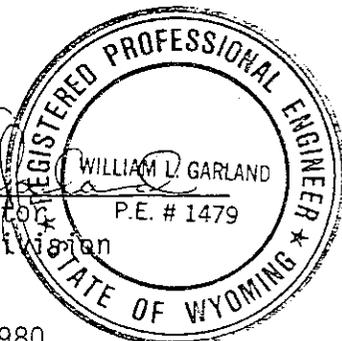
Shirley Basin, WY 82615  
(City) (County) (State)

to construct, install, or modify a small subsurface disposal  
facility located in Sec. 9, T27N, R78W  
(Legal Description)

in the County of Carbon, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

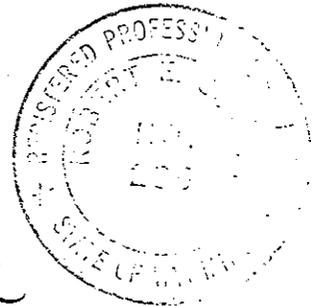
AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sordin  
Director

Wyoming Dept. of Environmental Quality



February 12, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

1-4-80  
2200

New

Permit No. 80-46

Renewal

NOTE: THE ATTACHED COMMENT.

Modified

Town of Greybull Water and Sewer Improvements  
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Greybull (agent: LaVerne M. Nelson)  
(Last) (First) (Middle)

P.O. Box 271  
(Street or P.O. Box)

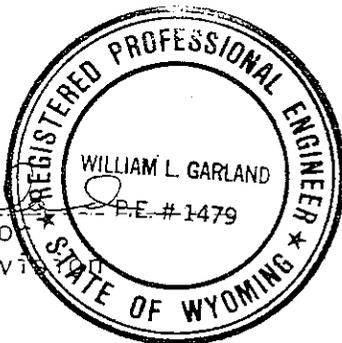
Greybull, Wyoming 82426  
(City) (County) (State)

to construct, install, or modify improvements to the water distribution & sewage collection systems facility located in Sec. 5, T. 52 N., R. 93 W.  
(Legal Description)

in the County of Bighorn, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sundin*

Director  
Wyoming Dept. of Environmental Quality



February 11, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING, 82520.  
(307) 332-3144

PROJECT: Greybull Water and Sewer Improvements

ENGINEER: John W. Donnell & Associates  
P.O. Box 13  
Worland, WY 82401  
ATTN: LaVerne M. Nelson

OWNER: Town of Greybull  
Town Hall  
Greybull, WY 82426

WATER QUALITY DIVISION REFERENCE NUMBER:

80-46

REVIEWING ENGINEER: M. Robin Collins, P.E.

*M. Robin Collins*

DATE OF REVIEW: February 11, 1980

ACTION: ~~NOT~~ AUTHORIZED.

CC ENTS:

The aforementioned facility is authorized and permitted for construction.  
The following comment is given as confirmation of action to be taken.

The Town of Greybull is to submit a letter to this Department stating that no more than 52 residential connections may be served by the existing six inch PVC sewer located on the lower end of Fourteenth Avenue North. If the proposed zoning and land use restrictions for this area are changed so as to increase sewer flows, the six inch PVC sewer will have to be replaced by a bigger pipe.

cc: Nelson Engineering  
P. O. Box 1599  
Jackson, WY 83001  
ATTN: Mickey Yamashiro, P.E.

PERMIT TO CONSTRUCT

11402  
100

New

Permit No. 80-47

Renewal

Modified

Teton Village Wastewater Treatment Plant - Pilot Effluent Filter  
(Name of Facility)

This permit hereby authorizes the applicant:

Village Sewer Company  
(Last) (First) (Middle)

Box 586  
(Street or P.O. Box)

Teton Village WY 83025  
(City) (County) (State)

construct, install, or modify a pilot scale sand filter

facility located in Section 24, T. 42N., R. 117W.  
(Legal Description)

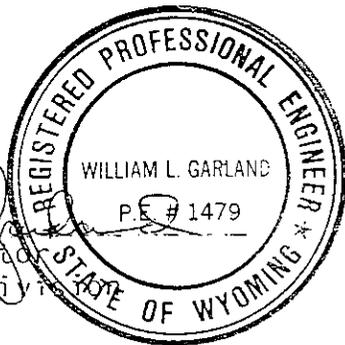
in the County of Teton, in the State of

Wyoming. This permit shall be effective for a period of two years

from the date of issuance of this permit not to exceed five (5) years.

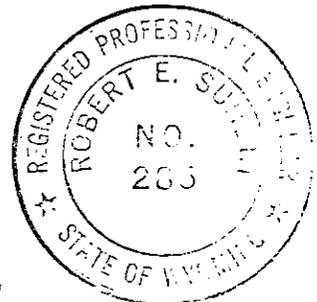
AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*Robert E. Sardin*

Director  
Wyoming Dept. of Environmental Quality



February 22, 1980  
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



11 2 8-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
~~STATE OFFICE~~ Hathaway Bldg.  
Cheyenne, Wyoming 82002

PROJECT: Water Main for Sterling Estates, Laramie Co.

ARCHITECT OR ENGINEER: Don Hopkins, 216 East 17th Street, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-48

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: February 8, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Who will supply drinking water? What is the water pressure at the proposed location? Provide a letter from the public utility indicating that they can adequately supply at least 350 gallons/day for each lot at a minimum pressure of 20 psi.
2. What water main disinfection procedures will be used?
3. How will the wastewater be collected and treated?
4. The open end of an air relief pipe from automatic valves shall extend to at least one foot above grade and be provided with a screened, downward facing elbow. This device could be attached to the vacuum valve, installed through the concrete side of the pit and extended above ground surface.

P. 25

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Standard Specifications & Design Criteria For Water Mains and Sanitary  
Sewers - 1980, Casper Board of Public Utilities, Casper, WY, Natrona Co.

ARCHITECT OR ENGINEER: Colin Cunningham, Civil/Sanitary Engineer, Casper Board  
of Public Utilities, 200 N. David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-49

REVIEWING ENGINEER: *Robert H. Pinther*  
Robert H. Pinther, P.E., M.S.

DATE OF REVIEW: February 26, 1980

ACTION: APPROVED

COMMENTS:

The following recommendations are offered:

Design Criteria - Water Mains

Retain a criteria pertaining to the necessity of providing thrust blocking  
for all tees, bends, plugs and hydrants.

Standard Specifications - Water

Provide a table of contents.

cc: Rex A. Behrends  
P. O. Box 1104  
Rawlins, WY 82301

PERMIT TO CONSTRUCT

New

Permit No. 80-50R

Renewal

Modified

Cottonwood Village Mobile Home Park

(Name of Facility)

This permit hereby authorizes the applicant:

Moreland Development Company

(Last)

(First)

(Middle)

Union Oil Center

P. O. Box 7600

(Street or P.O. Box)

Los Angeles

(City)

California

(County)

90051

(State)

to construct, install, or modify a municipal water distribution and wastewater collection systems

facility located in Sec. 21, T21N, R78W Ash Avenue, Apple Avenue  
(Legal Description)

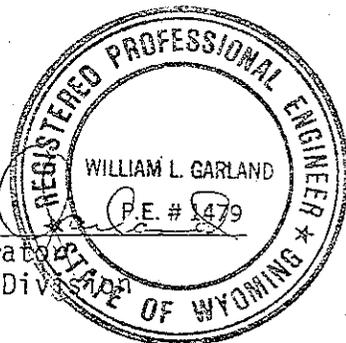
in the County of Carbon, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

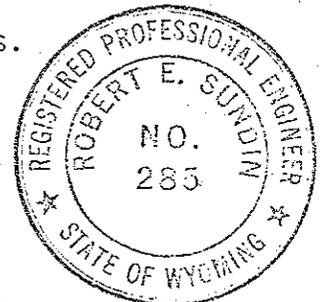
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



February 26, 1980

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

