

cc: Ed Rata, Jr.
P. O. Box 930
Casper, WY 82602

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-351

Tri-State Investments
(Name of Facility)

This permit hereby authorizes the applicant:

Tri-State Investments
 (Last) (First) (Middle)
 c/o Spiva Backhoe Service
 P. O. Box 122
 (Street or P.O. Box)

Mills, WY 82644
 (City) (County) (State)

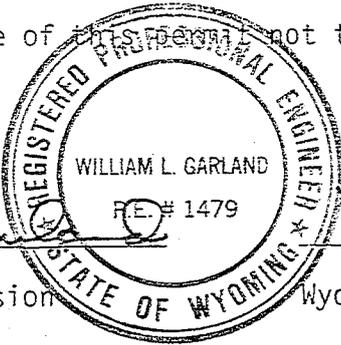
to construct, install, or modify a commercial, subsurface wastewater disposal
 facility located in Lot 33, Skyline Industrial Subdivision, S32, T34N, R79W
 (Legal Description)

in the County of Natrona, in the State of
 Wyoming. This permit shall be effective for a period of two (2) years

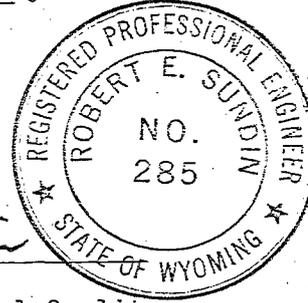
from the date of issuance of this permit, not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



July 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."

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

LEB

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-352R
 SEE SPECIAL CONDITIONS

Bar Nunn Sewer Services, Inc., Ponds 2 & 3 and
 Six Inch Sewage Effluent Line
 (Name of Facility)

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

Bar Nunn Sewer Services, Inc.
7400 Salt Creek Route, Box 39
Casper, WY 82601

to construct, install, or modify a stabilization pond

facility according to the procedures and conditions of the application

No. 80-352R. The facility is located in Section 17,
T34N, R79W

in the County of Natrona, 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.

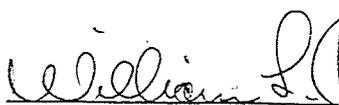
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

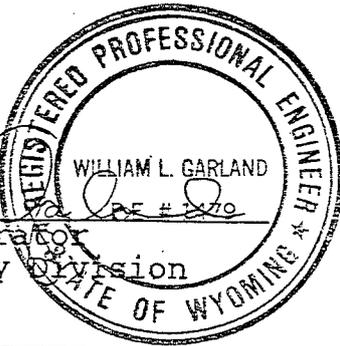
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

...hing 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.

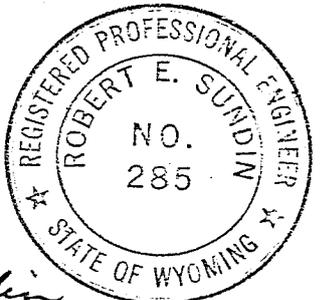
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
PE # 2270
Administrator
Water Quality Division
STATE OF WYOMING




ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



October 8, 1980
Date of Issuance

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

SPECIAL CONDITIONS

- 1) The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The Casper Urban Water Quality Management Plan requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time, these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the Casper Urban Water Quality Management Plan and the Final 201 Facility Plan.
- 2) The intent to participate in an approved regional system will be formalized by the execution of an agreement between Bar Nunn Sewer Services, Inc., the City of Casper, Natrona County Board of County Commissioners, and the Town of Mills, and/or the management agency designated in the final 201 facility plan. The agreement will be developed by Bar Nunn Sewer Services, Inc. and submitted to the city and county for signature by February 28, 1981. This agreement will be executed and submitted to the Department of Environmental Quality, Water Quality Division by March 30, 1981. It is recognized that this agreement will include a provision for updating and revising the agreement as additional cost estimates and the schedule for various components are developed during the facility planning process.

cc: Russ Donley
Western Engineers
501 North Sun Drive
Casper, WY 82601

log 6 file

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ 401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Bar Nunn Sewer Services - Expansion of Sewage Treatment Facility

ARCHITECT OR ENGINEER: Russell Donley, Western Engineers, 501 North Sun Drive,
Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-352

REVIEWING ENGINEER:  Leroy C. Feusner, P.E.

DATE OF REVIEW: August 21, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Two copies of an application for a Permit to Construct for Ponds 2 and 3 must be completed and submitted along with the Plans and Specifications
2. Since the date of your last submission, this Division has established some guidelines for wastewater pond construction which attempt to provide engineering data to us for protection of groundwater. Your application should address these items.
3. Provide the following information for us in evaluating continued land application.
 - a. Complete analyses of existing Pond No. 1 effluent, to include at least fecal coliform, chlorine residual, BOD and TSS.
 - b. Provide a soils analysis of the spray irrigation (porosity, etc.) to support increased wastewater application. Are additional land application areas to be used?
4. Where is the influent line for Cell #3 to be located?
5. When above information is ready for resubmission, highly recommend design engineer schedule a meeting in our office to review resubmission with groundwater engineer, land application engineer and myself.

2-24-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 23, 1984

Mr. Maurice Jepson
P.O. Box 2800
Casper, WY 82602

Dear Mr. Jepson:

On February 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 80-354, facility name Jepson Trailer Court. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

LCF/nc

cc: Gray Wangelin
Engineering Inspection & Testing Service
P.O. Box 4075
Casper, WY 82602



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Mr. Maurice Jepson
P.O. Box 2800
Casper, WY 82602

Dear Mr. Jepson:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Jepson Trailer Court (14 units)
DEQ/WQD Reference Number:	80-354
Engineering Consultant:	Gray Wangelin, Engineering Inspection & Testing Service
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	August 1, 1980

Please indicate below the status of your application and return this form to our office:

The application will not be resubmitted as the proposed project has been cancelled.

The application will be resubmitted within 30 days.

The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.

Other remarks _____

2-15-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Mr. Maurice Jepson
P.O. Box 2800
Casper, WY 82602

Dear Mr. Jepson:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Jepson Trailer Court (14 units)
DEQ/WQD Reference Number:	<u>80-354</u>
Engineering Consultant:	Gray Wangelin, Engineering Inspection & Testing Service
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	August 1, 1980

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Gray Wnagelin
Engineering Inspection & Testing Service
P.O. Box 4075
Casper, WY 82602

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ 401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Jepson Trailer Court

ARCHITECT OR ENGINEER: Gray C. Wangelin, Engineering Inspection and Testing
Service, P. O. Box 4075, Casper, WY 82604

WATER QUALITY DIVISION REFERENCE NUMBER: 80-354

REVIEWING ENGINEER:  Leroy C. Feusner, P.E.

DATE OF REVIEW: August 1, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Since the trailer court will utilize fourteen service connections for drinking water, it is considered to be a public water supply system in Wyoming, and must be permitted through this Division prior to construction. Ten or more service connections is a public water supply in Wyoming. Therefore, the application for a "Permit to Construct" must be completed for the public water supply section.
2. What is the source of the drinking water? If a public utility is providing the water, provide a letter from the utility indicating that they can supply at least 350 gallons per space per day with a minimum operating pressure of 20 psi under all conditions of flow. If the water will be supplied by a private well, provide complete construction drawings and design for the well, pumping and distribution system along with complete laboratory analysis results of the water for compliance with the Safe Drinking Water Act. You may desire to use the 1979 Wyoming Public Works Standards for the water distribution system. If so, provide a note on the drawings.
3. What is the distance of the irrigation canal from the pump house and septic tank/leach field for locations one and seven?
4. Each mobile home lot shall be provided with a sewer riser pipe and branch pipe of at least four inches diameter. The riser pipe shall be protected by concrete at ground surface a minimum of four inches thick and twelve inches diameter. The riser pipe shall terminate a minimum of four inches above natural ground. Consideration when locating a sewer riser must be given to the water riser. The water riser should be located a minimum of five feet horizontally from the sewer riser. Provide a typical mobile home space drawing indicating riser detail, septic system position, & mobile home parking area.
5. Provide complete information concerning the water system design. Include operating pressures, pumping design/rates, disinfection capability, etc. The water distribution system shall be a complete loop with source, or dead ends of water mains shall have a blowoff valve, fire hydrant or flushing hydrant for flushing purposes. Indicate what water line pressure tests will be conducted prior to placing them in operation.

cc: Gray Wangelin
P. O. Box 4075
Casper, WY 82604

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-355

Jim Cochran Residences
(Name of Facility)

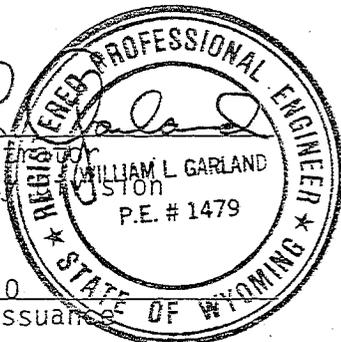
This permit hereby authorizes the applicant:

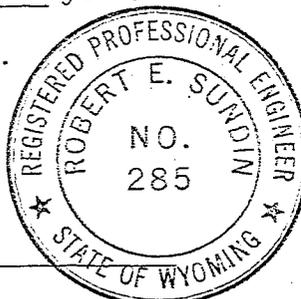
Cochran Jim
(Last) (First) (Middle)
P. O. Box 1862
(Street or P.O. Box)
Casper, WY 82602
(City) (County) (State)

to construct, install, or modify a small, subsurface wastewater disposal
facility located in Lot 43, Homa Hills Addition, S19, T35N, 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
WILLIAM L. GARLAND
P.E. # 1479


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


July 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."

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

cc: Gray Wangelin
P. O. Box 4075
Casper, WY 82604

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-356

Accurate Construction Supply
(Name of Facility)

This permit hereby authorizes the applicant:

Blevins, Claude
(Last) (First) (Middle)

P. O. Box 9577
(Street or P.O. Box)

Casper, WY 82609
(City) (County) (State)

to construct, install, or modify a small, subsurface wastewater disposal
facility located in S34, 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
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

July 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."

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

, 5-17-81

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-357
Ref.No. 79-612RR

Medallion Cove Subdivision
(Name of Facility)

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

Western Plains Service Corporation

P.O. Box 8027

Rapid City, SD 57701

to construct, install, or modify a municipal water distribution and wastewater collection system facility according to the procedures and conditions of the application No. 80-357. The facility is located in Section 20, T22N, R81W in the County of Carbon, 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.

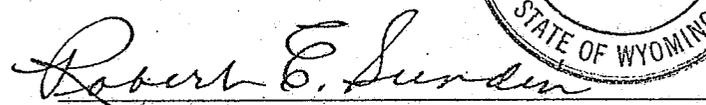
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:



WILIAM L. GARLAND
Administrator #1479
Water Quality Division
STATE OF WYOMING



ROBERT E. SUNDEN
NO. 285
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Director
Dept. of Environmental Quality

December 7, 1984

Date of Issuance

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

cc: Richard Reusser
Robert Jack Smith & Associates, Inc.
P. O. Box 1104
Rawlins, WY 82301

log & file
8-4

PERMIT TO CONSTRUCT

New

Permit No. 80-357

Renewal

Reference No. 79-612 RR

Modified

Medallion Cove Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Tolhurst Construction Company
(Last) (First) (Middle)

P. O. Box 220
(Street or P.O. Box)

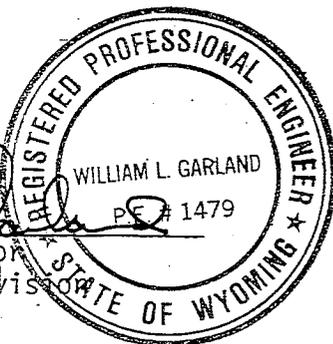
Hanna, WY 82301
(City) (County) (State)

to construct, install, or modify a municipal water distribution and wastewater
facility located in Section 20, T22N, R81W
collection system
(Legal Description)

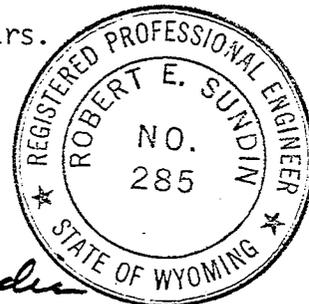
in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 28, 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."

M
4-8-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-358RRRR
 EPA No. C560107-02

WASTEWATER TREATMENT PLANT IMPROVEMENTS AND INTERCEPTOR SEWERS
 (Name of Facility)

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

City of Sheridan
P.O. Box 848
Sheridan, Wyoming 82801

to construct, install, or modify a _____
 wastewater treatment plant and sewers

facility according to the procedures and conditions of the application

No. 80-358RRRR. The facility is located in _____
Sections 15, 22, 26, 27, 34, 35, T.56N., R.84W. and
Sections 2 and 3, T.55N., R.84W.

in the County of Sheridan, 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.

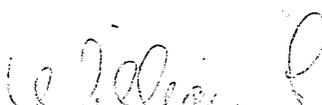
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

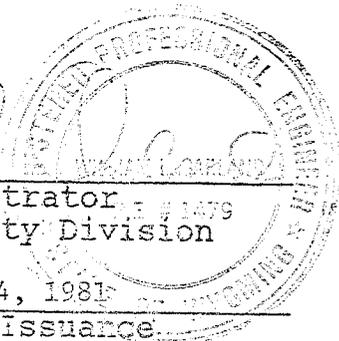
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
March 24, 1981
Date of issuance





Director
Dept. of Environmental Quality



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

xc: Ivan Cooper
Henningson, Durham & Richardson
1100 Capitol Life Center
Denver, Colorado 80203



THE STATE OF WYOMING

80-358RRR
ED HERSCHILLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET.

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 20, 1981

Ivan Cooper, P.E.
HDR
Capitol Life Center
Denver, CO 80203

Re: DEQ Comments on Plans and
Specifications for Sheridan,
Wyoming - C560107-03

Dear Ivan:

Following are the comments generated by the DEQ, Cheyenne office, on the subject Plans and Specifications. Comments from our Sheridan office will be coming under separate cover.

PLANS

1. G-3 - If plant is stable at design flow (5.7 MGD) and the flow increases to 11 MGD the solids may wash out of the system. At flow of 11 MGD and RAS rate of 8.6 MGD, the clarifier will be operating at 1.73 lbs MLSS/hr/ft². Recommended maximum loading rate is 1.25 lbs/hr/ft². (Ref: EPA publication MD-14, p. 11-81).
2. How often will plant influent flow of 11 MGD occur and how long will be its duration?
3. What will the concentrations of SS and BOD be in the by-pass?
4. What is the hydraulic limit of the trickling filters? Will automatic by-pass occur when the limit is reached?
5. Can the oxidation ditch be by-passed if necessary? Or can the individual channels be isolated?
6. Will the overflow clarifier be drained when not in use?
7. G-7 - Will all gravel rails be pre-cut at factory?
8. P-1 - Where is the 1½" by-pass chlorination line?
9. Where is the 4" drain line (shown in G-7) that goes to the digester pump station?

10. P-2 - Are the raw sewage pumps self-priming?
11. How are the raw sewage pumps installed and removed?
12. P-3 - Why not have a spray system for washing down the septage receiving station?
13. P-4 - In First Floor Plan there is a 3/4" line labeled "potable" and right below that "non-potable". Which is it?
14. P-5 - Won't the Cl₂ concentration in the screening room during spray washing be excessive?
15. Will the screens be washed after chlorination?
16. How many ft³/hr of screenings will be generated?
17. What dosage of chlorine is to be introduced?
18. What and where will the safety equipment be located?
19. Is it a good idea to have a generator beneath the Cl₂ solution supply line?
20. What will be final disposal of the screened material?
21. P-6 - Will distribution system be totally rebuilt?
22. P-7 - Will there be any resonance set up on the disks?
23. Can the ditch water level be varied to control D.O.?
24. P-8 - How will the aerators be aligned by generators?
25. The rotating disks will be difficult to keep from vibrating.
26. If a person should fall in the ditch is there any way he could keep himself from being swept along and killed by the discs?
27. P-10 - Won't influent short-circuit to overflow weir? Wouldn't a baffle below the overflow weir help?
28. Scum collection box should be located on opposite side of prevailing wind direction. There should be at least two of them.
29. P-11 - What is the big pipe that exits from the base of the center cage? It appears to interfere with rotation of sludge rake.
30. P-12 - Trolley hoist should be 1 ton plus safety factor.

31. P-12 - Should have exhaust fan in chlorine building located at floor level.
32. P-12 - Self-contained breathing apparatus should be provided as well as masks. The mask for emergency escape - the SCBA to re-enter and repair leaks.
33. P-13 - Is there enough room to safely lift empty Cl₂ and SO₂ cylinders over full ones?
34. P-14 - Why are Cl₂ sample pumps at influent end? Will residence time in sample line be equal to that in contact chamber?
35. Why drain the contact chamber into secondary sludge wet well? If recycled, the dead cell material probably won't settle out anyway.
36. Why not add air diffusers to contact chamber to reduce solids settling?
37. P-16 - How will effluent pumps be removed?
38. Are three variable speed pumps really necessary for NP water supply?
39. P-17 - Where does scum go to?
40. Can RAS and WAS pumps be removed through skylight?
41. P-18 - Why is pump no. 5 called a WAS pump when it pumps into the RAS line?
42. What is the purpose of the 8" line to the right of WAS pump no. 7?
43. P-20 - When will the spray line be used and how much water will it put into the digester?
44. Sludge pumps nos. 1, 2, 3, & 4 not shown. Need larger details on pumping station.
45. P-22 - Need to show detail on belt filters.
46. P-28 - How much sludge will be taken from overflow clarifier?
47. Why not take sludge to digester?
48. I-1 - A short operator would have to stand on a chair to get a reading on plant effluent strip chart 7' off the floor.
49. I-2 - Why no alarms or indicator lights on aeration drive motors? Why no automatic D.O. measurement in oxidation ditch? Has energy savings potential of controlling drive units with D.O. level been looked at?

Ivan Cooper
January 20, 1981
Page 4

SPECIFICATIONS

1. A clause stating that by-passing of wastewater during construction is not allowable should be included.

If you have any questions please contact the writer. If not we'll look forward to our meeting here on Monday, January 26.

Sincerely yours,

Bill

William S. Ewen
Engineering Evaluator
Water Quality Division

WSE/jn

cc: Tom Mueller, DEQ, Sheridan
Don Nelson, DEQ, WQD, Cheyenne

17-2
9-30-80

PERMIT TO CONSTRUCT

New

Permit No. 80-360R

Renewal

Modified

17-SR1-M1 Pond - Black Thunder Mine
(Name of Facility)

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

Black Thunder Mine, c/o C. B. Smith

P. O. Box 406

Wright, WY 82732

to construct, install, or modify a runoff control pond

facility according to the procedures and conditions of the application

No. 80-360R. The facility is located in Section 17,

T 43N, R 70W

in the County of Campbell, 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.

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.

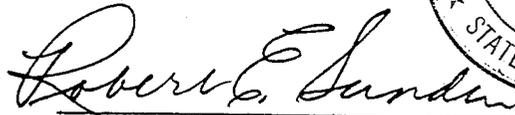
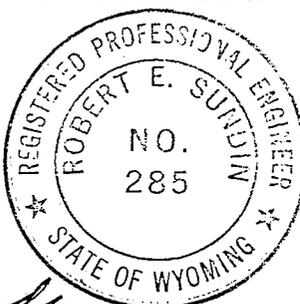
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
September 24, 1988
Date of Issuance



Director
Dept. of Environmental Quality

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

M to S
9-29-85

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-361R

BT - PIT 1-M1 Pond - Black Thunder Mine
(Name of Facility)

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

Black Thunder Mine, C/o C. B. Smith
P. O. Box 406
Wright, Wyoming 82732

to construct, install, or modify a runoff control pond

facility according to the procedures and conditions of the application

No. 80-361 R. The facility is located in Section 17,
T 43N, R 70W

in the County of Campbell, 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.

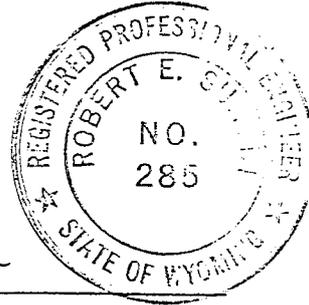
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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 J. ...
Administrator
Water Quality Division #1470
September 24, 1980
Date of Issuance


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

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

M to S
9-29-00

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-362R

17-SR2 Pond - Black Thunder Mine
(Name of Facility)

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

Black Thunder Mine, c/o C. B. Smith
P. O. Box 406
Wright, Wyoming 82732

to construct, install, or modify a runoff control pond

facility according to the procedures and conditions of the application

No. 80-362R. The facility is located in Section 17,
T 43N, R 70W

in the County of Campbell, 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.

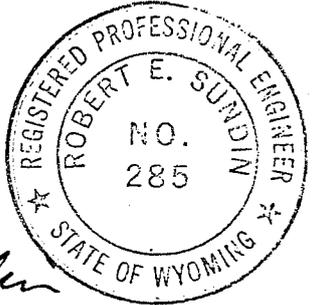
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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.

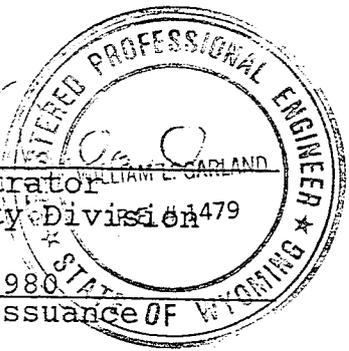
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Robert E. Sundin
Director
Dept. of Environmental Quality

William E. Garland
Administrator
Water Quality Division 1479
September 24, 1980
Date of Issuance



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

cc: Jon Anderson
AVI Engineering
1111 East Lincolnway
Cheyenne, WY 82001 PERMIT TO CONSTRUCT

Environmental Health Unit
Laramie County
1700 Snyder Avenue
Cheyenne, WY 82001

log
file
8-9

- New
- Renewal
- Modified

Permit No. 80-363
Ref. No. S74017

Prairie Haven Mobile Home Ranch
(Name of Facility)

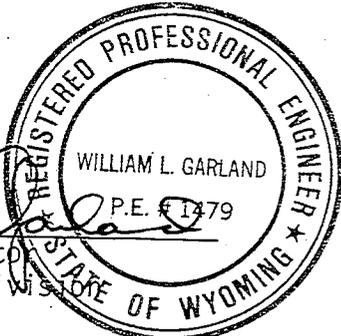
This permit hereby authorizes the applicant:

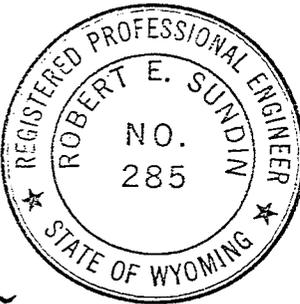
Barkell Ronnie
(Last) (First) (Middle)
P. O. Box 1965
(Street or P.O. Box)
Cheyenne WY 82001
(City) (County) (State)

to construct, install, or modify a commercial water distribution & wastewater collection
facility located in Section 17, T14N, R65W
(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


July 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."

M
11-25-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-364RRR

Restway Travel Park
(Name of Facility)

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

Jess & Doris Sherman

P.O. Box 3343

Cheyenne, WY 82001

to construct, install, or modify a commercial water distribution and wastewater collection/treatment systems facility according to the procedures and conditions of the application No. 80-364RRR. The facility is located in Section 26, T14N, R66W in the County of Laramie, 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.

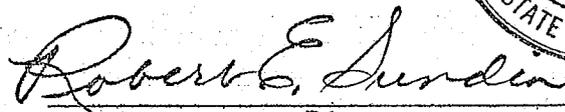
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

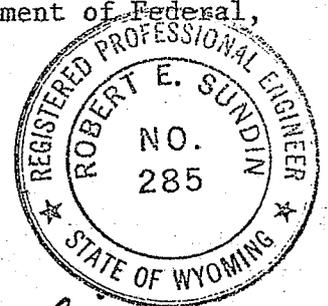
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Administrator
Water Quality Division
STATE OF WYOMING
November 16, 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.

cc: Joe Kub
BRW/Noblitt, Inc.
1912 Capitol Ave., Suite 300
Cheyenne, WY 82001

Laramie County Health Dept.
1700 Synder Ave.
Cheyenne, WY 82001

Marion Yoder
Wyoming Attorney General Office

8-25-81

Review of Plans and Specifications

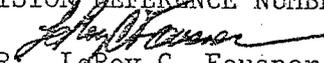
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Restway Travel Park, Laramie Co.

ARCHITECT OR ENGINEER: Joe Kub, BRW, Inc.
1912 Capitol Ave., Cheyenne, WY 82601

APPLICANT: Jesse & Doris Sherman
P.O. Box 3343, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-364R

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

DATE OF REVIEW: August 20, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Per our telephone review on August 19, 1981, please submit results of the drinking water samples collected from the travel park water well.
2. The sewer riser pipes shall be protected by concrete at ground surface a minimum of four (4) inches thick and twelve (12) inches in diameter (Chapter III, Wyoming Water Quality Rules & Regulations).
3. Water distribution system shall be a complete loop with source, or dead ends of water mains shall have a blowoff valve or flushing hydrant.
4. What work will be accomplished in the first phase to ensure a minimum freeboard of three feet for the wastewater lagoon?

LCF/nc

cc: Ed S. Rate, Jr.
P. O. Box 930
Casper, WY 82602

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-366

Colman Equipment Company
(Name of Facility)

This permit hereby authorizes the applicant:

Colman Equipment Company
(Last) (First) (Middle)

P. O. Box 213
(Street or P.O. Box)

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

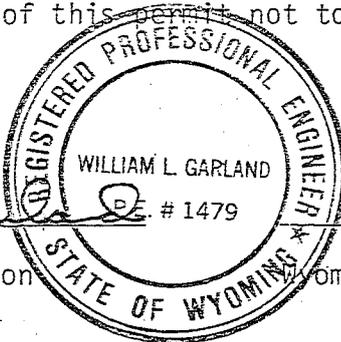
to construct, install, or modify a small, subsurface wastewater disposal
facility located in Lot 11, Colman Industrial Subdivision, S32, T34N, R79W
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years

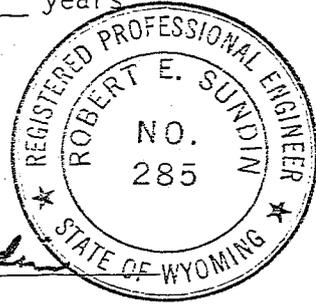
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 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."

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

10.50
0.20.00

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-368RR

Western Hills Mobile Home Park

(Name of Facility)

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

Production Operators Inc.

800 Main Street

Evanston, WY 82930

to construct, install, or modify a wastewater collection system,
evapotranspiration bed, 3 wells, 2 storage tanks, water distribution system

facility according to the procedures and conditions of the application

No. 80-368RR. The facility is located in Sec. 18, T. 16N,

R. 120W

in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of two 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.

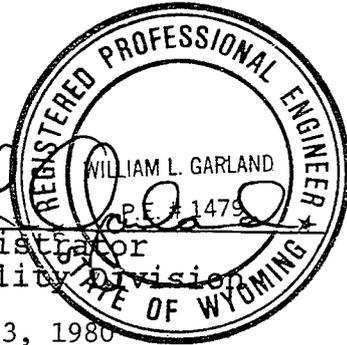
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

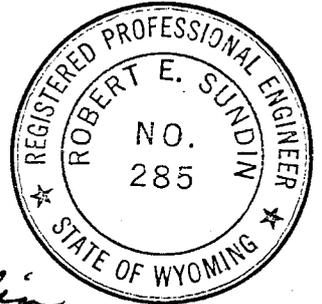
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Administrator
Water Quality Division
September 23, 1980
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.

FL/kn

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Western Hills Mobile Home Park

ENGINEER: Dale Peterson
P.O. Box 805
Evanston, WY 82930

OWNER: Production Operators
800 Main
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 80-368R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 15, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

The following information is required to complete the review of this project before a "Permit to Construct" can be issued.

Evapotranspiration Bed

Please refer to the enclosed handout on the design of the bed. Note particularly the minimum layers of sand around the liner and of gravel and pea gravel. Also, since this is a total containment system, an application rate of .07 gallons per square foot should be used. The reason the liner is required is because of the proximity of Well #1 and the depth of the water level in that well.

Do you have any indication of which way the groundwater flows in this area? Does it flow to Well #1 or away from it? Is the evapotranspiration bed at least 100 feet from the well?

Septic Tank

The inlet and outlet baffles should have a minimum depth of 40% of the liquid depth in the tank.

There should be an air space between the flow line and the top of the tank of at least 20% of the liquid depth of the tank.

Inlet and outlet pipe material should be either cast iron or schedule 40 PVC.

What is the minimum slope of the inlet line to the tanks?

The interior surfaces of concrete tanks should be coated with a bitumastic or equivalent compound.

Wells

Will a standby generator or power source be available?

What is the weight and thickness of the well casings?

What is the thickness of the well seals?

Are the wells vented?

Water Supply System

Page four of the engineering report refers to Figure B for pressures under fire flow conditions but Figure B is not in the report. Please provide this page along with the design calculations.

Water Storage Tanks

Are more details available on these tanks?

Are the overflow pipes screened?

Are the vent pipes screened?

Do the overflow pipes come down to an elevation between 12 and 24 inches above the ground and discharge over a splash plate?

Will the tanks be fenced in to prevent trespassing or vandalism?

Are silt stops incorporated into the tanks?

How will the tanks be disinfected?

Please submit the required information in triplicate. If you have any questions, please call.

FL/kn

Enclosure

PERMIT TO CONSTRUCT

New

Permit No. 80-369RRRR

Renewal

Modified

Honeywood Cove Mobile Home Community
(Name of Facility)

This permit hereby authorizes the applicant:

Cook Alan
(Last) (First) (Middle)

774 Sheraton Circle
(Street or P.O. Box)

Sandy Utah 84070
(City) (County) (State)

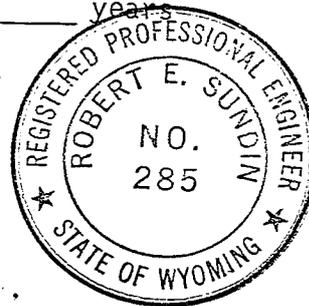
to construct, install, or modify ~~xx~~ two wells and water distribution system, wastewater collection system and nondischarging lagoon system facility located in Sec. 12, T. 14N, R. 121W
(Legal Description)

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

September 2, 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: Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tony Mancini
FROM: W.S. Ewen *WSE*
DATE: September 10, 1982
SUBJECT: Honeywood Cove Mobile Home Park, Uinta County, #80-369RRRR

- 1) The number and location of monitoring wells appears satisfactory.
- 2) There appears to be no evidence of groundwater contamination at present.
- 3) I recommend the two monitoring wells be sampled semi-annually for the following parameters:

- | | |
|---------------------------|---------------------------|
| 1) $\text{NH}_3\text{-N}$ | 4) $\text{NO}_2\text{-N}$ |
| 2) Cl^- | 5) TDS |
| 3) $\text{NO}_3\text{-N}$ | 6) pH |



80-369
 Honeywood
 Cove
 Mobile Home - Vista
 ED HERSCHLER
 GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 31, 1982

CERTIFIED MAIL

Mr. Alan R. Cook
 1935 South Main
 Century Center, Suite 522
 Salt Lake City, UT 84115

RE: Your letter of February 12, 1982

Dear Mr. Cook:

Mr. Ruyle has been transferred to our Sheridan District Office and as a result, I will be handling your case from this point on. The reason for the delay in replying to your letter is that a copy of it was sent to the Attorney General's office for their review. On March 30, 1982 I received clearance from the Attorney General's Office to respond which is the purpose of this letter.

For the record, items No. 1, 2, 3, 5, 7, and 8 of Mr. Ruyle's January 7, 1982 letter have yet to be resolved. Mr. Ruyle has informed me items No. 4 and 6 in his letter have been resolved. On March 16, 1982 I received a call from Hooper Knowlton, representing an engineering firm from Salt Lake City, inquiring about what needs to be done from an engineering standpoint, to resolve this matter. I explained the situation to him and suggested that if he accepts the project he arrange a meeting with me to discuss any proposed solutions he may have before any plans are drawn up. To date I haven't heard from Mr. Knowlton since that conversation.

It is the opinion of this office that all of the work which needs to be done (i.e. the items mentioned in this letter) to bring Honeywood Cove Mobile Home Park into compliance with state standards must be completed by July 1, 1982. This is ample time to get the necessary engineering work done and approved by this office and for all modifications to be made.

In response to your question on the particulars of item No. 9 in the Notice of Violation, I have enclosed a copy of the Wyoming Environmental Quality Act for your reference. Please refer to page 15 of the Act. I have marked in red ink the statues referenced in item No. 9 of the Notice of Violation.

One additional comment needs to be made. In your letter you have indicated that your General Manager, Mr. Marvin Bollschweiler, is to be our contact. Be advised

.../2

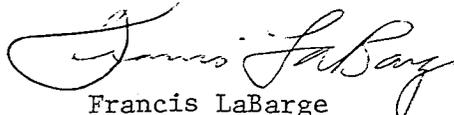
AIC

Mr. Alan R. Cook
March 31, 1982
Page 2

that once a Notice of Violation has been issued, the State deals directly with the property owners and not thru intermediaries.

In closing, I suggest that you have your engineers submit the necessary plans to this office within thirty (30) days of your receipt of this letter. Please note a copy of this letter is being forwarded to the Attorney General's Office.

Yours truly,



Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne DEQ/WQD
Steve Jones, Ass't Attorney General
File (2)

PERMIT TO CONSTRUCT

New

Permit No. 80-370R

Renewal

Modified

Black Butte Coal Mine - Evaporation Ponds and Settling Ponds
(Name of Facility)

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

Black Butte Coal Company

P.O. Box 98

Point of Rocks, WY 82942

to construct, install, or modify EP-9 Evaporation Pond, EP-10
Evaporation Pond, SP-DS3 Settling Pond, SP-DN2 Settling Pond and Ditches, SP-J1
Settling Pond and Ditch, SP-J2 Settling Pond and Ditches

~~XXXXXX~~ according to the procedures and conditions of the application

No. 80-370R. The facility is located in EP-9: Sec. 21, T. 18N,
R. 100W / EP-10: Sec. 28, T. 19N, R. 100W / SP-DS3: Sec. 33, T. 19N, R. 100W /
SP-DN2: Sec. 22, 23, 27, T. 19N, R. 100W / SP-J1: Sec. 15, 21, 22, T. 18N, R. 100W /
SP-J2: Sec. 20, 21, 28, 29, 30, 31, 32, T. 18N, R. 100W

in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two 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.

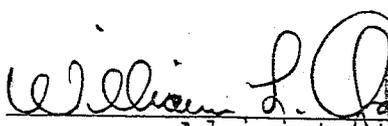
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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:



REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING
Administration
Water Quality Division
October 20, 1980
Date of Issuance



REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING
Director
Dept. of Environmental Quality

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

FL/kn



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 22, 1980

Scott W. Kamber
Black Butte Coal Company
P.O. Box 98
Point of Rocks, WY 82942

Re: DEQ #80-370

Dear Mr. Kamber:

With reference to your application to construct, dated July 10, 1980, I have been advised that you will need to file for an NPDES permit for each structure. Upon receipt of these application numbers, our office in Lander will prepare the permit to construct documents.

If you have any further questions, please contact me at 332-3144 or John Wagner in Cheyenne at 777-7781.

Sincerely,

A handwritten signature in cursive script that reads "Darryl D. Alleman".

Darryl D. Alleman, P.E.
Southwest District Engineer

DDA/kn



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 7, 1984

James A. Moser
P. O. Box 1722
Roosevelt, Utah 84066

Dear Sir:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility Name: James Moser Holding Pond

DEQ/WQD Reference Number: #80-371RR

Engineering Consultant: _____

DEQ/WQD Review Engineer: Ed Baruth, P.E.

Date of DEQ/WQD Review: August 18, 1980

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division review engineer receives information concerning the status of this project within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in cursive script that reads "Ed Baruth". The signature is written in dark ink and is positioned above the typed name.

Ed Baruth, P.E.
Northwest District Supervisor

EB:dcn



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 18, 1980

James A. Moser
P.O. Box 1722
Roosevelt, Utah 84066

Re: Review of Settling Pond Proposed
for Gold Mining Operation - Sec. 10,
T. 29N, R. 99W, Fremont County
DEQ #80-371RR

Dear Sir:

Under a directive issued from our Cheyenne office, all "fixed" settling ponds will have to have plans and specifications stamped by a licensed professional engineer and submitted to this office for approval.

If you have any questions concerning this policy or if you need assistance in contacting a local professional engineer, please do not hesitate to call us.

Respectfully,

A handwritten signature in cursive script that reads "M. Robin Collins".

M. Robin Collins, P.E.
Northwest District Engineer

MRC/kn

cc: Bureau of Land Management - Lander
U.S. Forest Service - Lander
Wyoming Game and Fish Department - Lander
DEQ/WQD - Cheyenne ✓

PERMIT TO CONSTRUCT

New

Permit No. 80-373R

Renewal

Modified

Permian Corporation Small Wastewater Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Permian Corporation

(Last) (First) (Middle)

P. O. Box 1970

(Street or P.O. Box)

Casper,

WY

82602

(City)

(County)

(State)

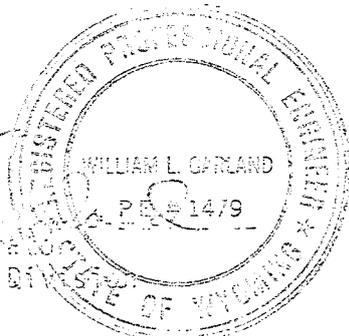
to construct, install, or modify a small wastewater facility
facility located in Section 34, T.20N., R.94W.
(Legal Description)

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. Opreland

Administrator
Water Quality Division



Robert E. ...

Director

Wyoming Dept. of Environmental Quality



August 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 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: Permian Corporation

ENGINEER: Gray C. Wangelin
Engineering Inspection Testing Service
P.O. Box 4075
Casper, WY 82604

OWNER: Permian Corporation Attention: Mr. Dave Diden
P.O. Box 1970
Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 80-373

REVIEWING ENGINEER: Darryl D. Alleman, P.E.



DATE OF REVIEW: July 29, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Please complete the small waste treatment facility check list and return to this office. If you have any questions, please call.

DDA/kn

Enclosure

PERMIT TO CONSTRUCT

New

Permit No. 80-375RR

Renewal

Modified

ANTELOPE VALLEY SUBDIVISION, LOT 10, BLOCK 5

(Name of Facility)

This permit hereby authorizes the applicant:

Brady Consultants, Inc., c/o E. Dallas Wasserburger

(Last) (First) (Middle)

P.O. Box 1329

(Street or P.O. Box)

Gillette
(City)

Campbell
(County)

Wyoming 82716
(State)

to construct, install, or modify a sewage disposal

facility located in Section 13, T.49N., R.72W.

(Legal Description)

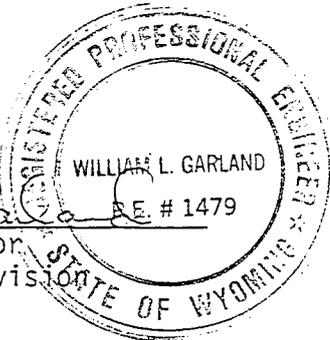
in the County of Campbell, in the State of

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

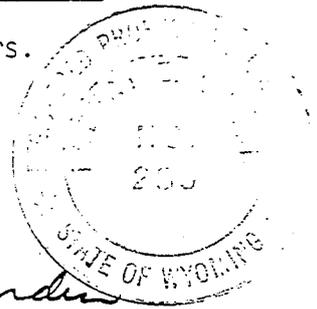
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality



August 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: Jim Voeller
AVI Consultants
1111 East Lincolnway
Cheyenne, WY 82001 PERMIT TO CONSTRUCT

log & file
Environmental Health
1700 Synder Avenue
Cheyenne, WY 82001

New Permit No. 80-376
 Renewal
 Modified

Doc Horton Residences
(Name of Facility)

This permit hereby authorizes the applicant:

Horton Doc
(Last) (First) (Middle)

Rt. 3, Box 993 A
(Street or P.O. Box)

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

to construct, install, or modify a small, subsurface wastewater disposal
facility located in S27, T14N, R66W
(Legal Description)

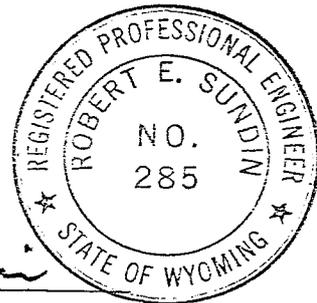
in the County of Laramie, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 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."

3-14-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 13, 1984

City Engineer's Office
City of Rawlins
City Hall Building
Rawlins, WY 82301

Dear Sir:

On February 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 80-377R, facility name North Platte River Intake Facility. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

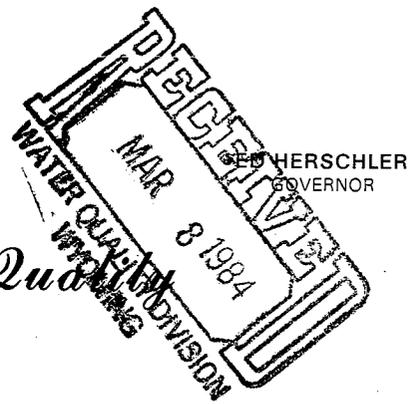
This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

LCF/nc

cc: Ricardo Goncalves
MSM Consultants, Inc.
570 West 44th Avenue
Denver, CO 80216



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

City Engineer's Office
City of Rawlins
City Hall Building
Rawlins, WY 82301

Gentlemen:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	North Platte River Intake Facility
DEQ/WQD Reference Number:	80-377R
Engineering Consultant:	Ricardo Goncalves, MSM Consultants, Inc.
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	April 28, 1981

Please indicate below the status of your application and return this form to our office:

The application will not be resubmitted as the proposed project has been cancelled.

The application will be resubmitted within 30 days.

The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.

Other remarks This project as designed has been cancelled. Preliminary engineering on an alternate design is being conducted by a different engineer. When final plans and specifications are complete a new permit application will be submitted.

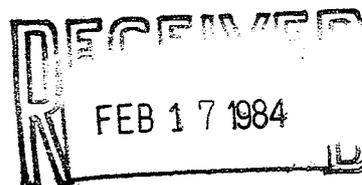
You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Ricardo Goncalves
MSM Consultants, Inc.
570 West 44 Avenue
Denver, CO 80216



2-15-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

City Engineer's Office
City of Rawlins
City Hall Building
Rawlins, WY 82301

Gentlemen:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

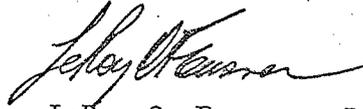
Facility name:	North Platte River Intake Facility
DEQ/WQD Reference Number:	<u>80-377R</u>
Engineering Consultant:	Ricardo Goncalves, MSM Consultants, Inc.
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	April 28, 1981

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Ricardo Goncalves
MSM Consultants, Inc.
570 West 44 Avenue
Denver, CO 80216

12/6

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: City of Rawlins, North Platte River Intake Facility

✓ ARCHITECT OR ENGINEER: Ricardo Goncalves, MSM Consultants, Inc.
570 West 44th Avenue, Denver, CO 80216

WATER QUALITY DIVISION REFERENCE NUMBER: 80-377R

REVIEWING ENGINEER:  Leroy C. Feusner, P.E.

DATE OF REVIEW: April 28, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Based upon the desires and anticipated needs for an improved City of Rawlins, public water supply system expressed by City officials in a meeting with representatives from EPA and DEQ here in Cheyenne on March 20, 1981 and a DEQ field evaluation inspection of the Rawlins drinking water system on March 31, 1981, the above application/plans for a Permit to Construct have not been authorized. It is our opinion that the proposed raw water treatment facility at Ft. Steele will provide excessive and unnecessary treatment prior to pumping the water to Peaking Reservoir. With construction of a new water treatment plant below Peaking Reservoir, treatment of the raw water at Ft. Steele is considered unnecessary. Instead, it is suggested that the City of Rawlins, with their concurrence, consider the following action items.

1. Formalize, in writing, a long term public water supply/sewer service plan.
2. Design improvements for the North Platte River water intake structure and pumping system to Peaking Reservoir. It may be that some the proposed design in the above application could be used.
3. Evaluate the existing water intake cisterns, screening devices, and pump building for efficient operation, safety, and maintenance.
4. Resubmit an application and plans for a Permit to Construct for any proposed construction.

cc: Felix Flechas, U.S. EPA Drinking Water Program, 1860 Lincoln Street, Denver, CO 80295
Mike Hackett, DEQ/WQD
Jim Carney, City Engineer, City of Rawlins, P. O. Box 953, Rawlins, WY 82301

600 5/20/80

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Rawlins, North Platte River Intake Facility

ARCHITECT OR ENGINEER: Ricardo F. Goncalves, MSM Consultants Inc.,
570 West 44th Avenue, Denver, CO 80216

WATER QUALITY DIVISION REFERENCE NUMBER: 80-377

REVIEWING ENGINEER: *LeRoy C. Feysner*
LeRoy C. Feysner, P.E.

DATE OF REVIEW: August 25, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans and specifications must carry the signature or seal of a professional engineer licensed in Wyoming.
2. What are the material and construction specifications?
3. Since river channel grading is proposed, a Section 404 Permit from the Army Corps of Engineers may be required. Recommend you contact Ralph Miller, Army COE, Omaha, NE, telephone 402-221-4145. Please advise us of any 404 Permit requirements in your next submission.
4. Clarify the following design items.
 - a. Presedimentation basins should have hopper bottoms or be equipped with continuous mechanical sludge removal apparatus, and provide arrangements for dewatering.
 - b. How will the presedimentation water intake be built? Incoming water shall be dispersed across the full width of the line of travel as quickly as possible to prevent short circuiting.
 - c. Provisions for by-passing the presedimentation basins shall be included.
 - d. What is the detention time? Normally, three hours is the minimum recommended time.
 - e. How will sludge be disposed?
 - f. How will polymer feed system be designed?
 - g. Application indicates water will be clarified. Provide design information and drawing for clarification system.
 - h. Provide details for pump station design.

cc: Terry L. Titus
Worthington, Lenhart, Carpenter & Johnson, Inc.
532 South David Street
Casper, WY 82601 PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-378

Brinkerhoff-O'Quinn Water Main Extension
(Name of Facility)

This permit hereby authorizes the applicant:

O'Quinn Enterprises
(Last) (First) (Middle)

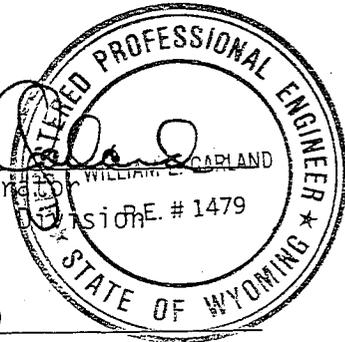
P. O. Box 3478
(Street or P.O. Box)

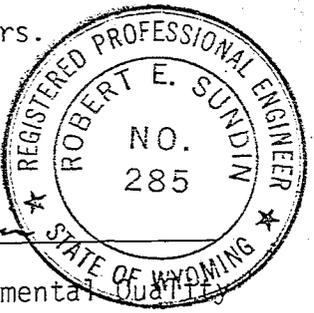
Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a municipal water distribution system
facility located in Sections 2,3,34, T33,34N, 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 E. Garland
Administrator
Water Quality Division
E. # 1479


Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality

August 1, 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: Lloyd Baker
Gertsch/Baker & Assoc.
203 Grand Avenue
Laramie, WY 82070

bg file

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-379

Pulte Industrial Site (Block 1, Lots 2-6)
(Name of Facility)

This permit hereby authorizes the applicant:

Pulte Home Corporation
(Last) (First) (Middle)

318 South Second Street
(Street or P.O. Box)

Laramie, WY 82070
(City) (County) (State)

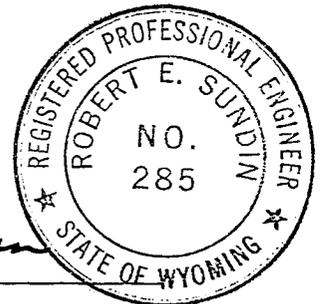
to construct, install, or modify a public water supply & municipal wastewater
collection
facility located in Section 32, T16N, R73W
(Legal Description)

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. Galt
 Registered Professional Engineer
 State of Wyoming
 No. 1479
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



August 14, 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
- Renewal
- Modified

Permit No. 80-380R

The Meadows
(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 Wyoming 83110

(City) (County) (State)

to construct, install, or modify a water and sewer line

facility located in Sec. 21, T. 15N, R. 120W
(Legal Description)

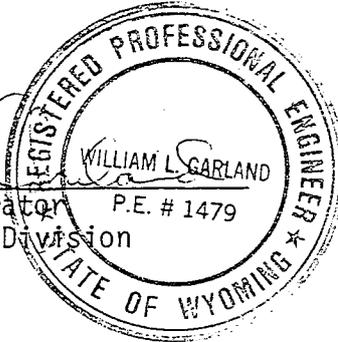
in the County of Uinta, in the State of

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

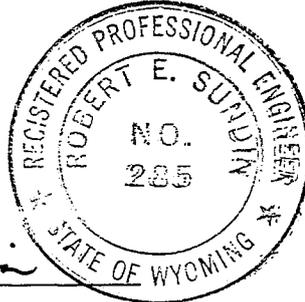
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

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



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



August 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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: The Meadows

ENGINEER: John A. Proffit
P.O. Box 746
Evanston, WY 82930

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

WATER QUALITY DIVISION REFERENCE NUMBER: 80-380

REVIEWING ENGINEER: Darryl D. Alleman, P.E. 

DATE OF REVIEW: July 29, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

Sewer

1. A letter of verification from the City of Evanston is required stating that they are capable of handling the added organic and/or hydraulic loads.
2. Minimum allowable sewer size is 8 inches.
3. Is it possible to combine the 6 inch "short" sewer into one 8 inch?
4. The plans must be stamped with the following paragraph:
"The 1979 Wyoming Associated General Contractor (AGC), Public Works Standards shall apply. All work to be in conformance with the Standards and Specifications of the Wyoming AGC."

Water

1. Design calculations are required to support the water system design. What is the normal working pressure in the distribution system?
2. A letter of verification from the City of Evanston is required stating they can supply adequate pressure and volume of water.
3. Dead end lines shall be provided with a fire hydrant if flow and pressure are sufficient, or with an approved flushing hydrant or blow-off for flushing purposes.
4. The 4 inch lines should be tied into the main water system in two locations.
5. The 4 inch line in Arapaho should be changed to a 6 inch line with a hydrant on the end.

cc: Steve Spiegelberg
H Bar V, Inc.
P. O. Box 1128
Laramie, WY 82070

by file

PERMIT TO CONSTRUCT

New Permit No. 80-381
 Renewal
 Modified

Bow Basin High School, School District #2 Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

School District #2
(Last) (First) (Middle)

Carbon County, Wyoming
P. O. Box 98
(Street or P.O. Box)

Saratoga, WY 82331
(City) (County) (State)

to construct, install, or modify a wastewater collection

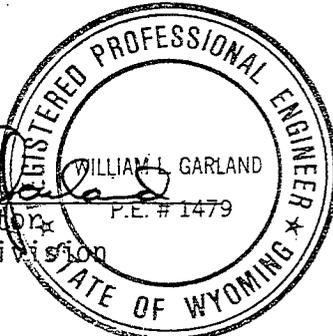
facility located in SW 1/4, Section 5, T22N, R78W
(Legal Description)

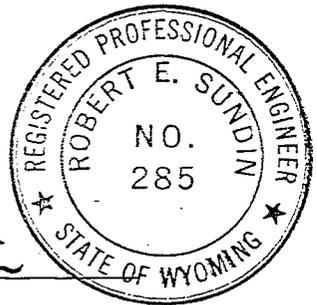
in the County of Carbon, in the State of

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. Sundin
Director
Wyoming Dept. of Environmental Quality


July 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

Permit No. 80-382R

- New
 Renewal
 Modified

FREEDOM HILLS SUBDIVISION WATER DISTRIBUTION SYSTEM

(Name of Facility)

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

Michael G. McDill

3308 Sutherland Drive

Gillette, Wyoming 82716

to construct, install, or modify a distribution portion of public
water supply.

facility according to the procedures and conditions of the application

No. 80-382R. The facility is located in Sections 23 and

26, T.50N., R.71W.

in the County of Campbell, 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 Environ-
mental 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 responsi-
bility of the applicant, owner, or operator.

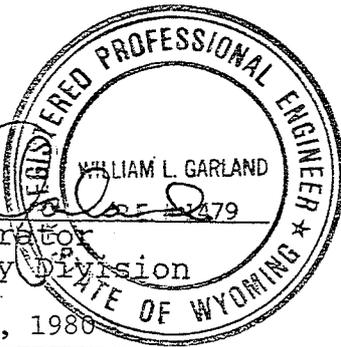
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

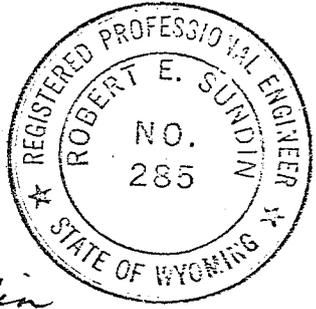
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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
Administrator
Water Quality Division
STATE OF WYOMING
October 16, 1980
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.

NOTE: Neither storage tank, pressure pumping system, nor well connection is authorized by this permit.

Chapman

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Freedom Hills Water System

ARCHITECT OR ENGINEER: McDill Engineering
3308 Sutherland Drive
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 80-382

REVIEWING ENGINEER: Tom Mueller *T.M.*

DATE OF REVIEW: 9/10/80

ACTION: Not Authorized for Construction

COMMENTS:

1. The elevations shown on Sheet 1 indicate that even at minimum pressure at the higher lots (i.e., 35 psi), static pressures at the lots along the western edge of the subdivision (e.g., lot 17) will be near or above 100 psi. This is excessive, and the situation will be worsened when there is a high water level in the storage tank. The situation must be remedied before a Permit to Construct will be issued.
2. The situation regarding fire flows is understood. However, some allowance for refilling tankers should be made in the sizing of the storage tank. Additionally, depending on the rate at which a tanker refills, six-inch pipelines may not be sufficient. These questions must be addressed.
3. It is understood that additional information on the well, storage tank and pumping system will be supplied. It is strongly recommended at this time, however, that a true yield and drawdown test be performed on the well prior to the installation of the permanent pump.

cc: George Hoffman
P. O. Box 473
Casper, WY 82601

W. L. Garland

PERMIT TO CONSTRUCT

New

Permit No. 80-383

Renewal

Modified

Dump Settling Reservoir
(Name of Facility)

This permit hereby authorizes the applicant:

Franks Michael
(Last) (First) (Middle)
Petrotonics Company
P. O. Box 2509
(Street or P.O. Box)

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

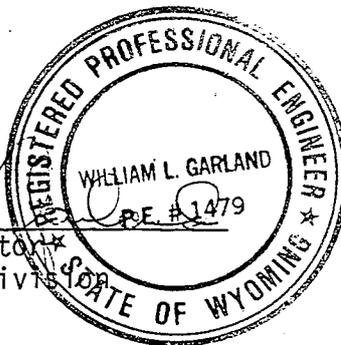
to construct, install, or modify a industrial stabilization pond
facility located in Section 8, T27N, R78W
(Legal Description)

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:

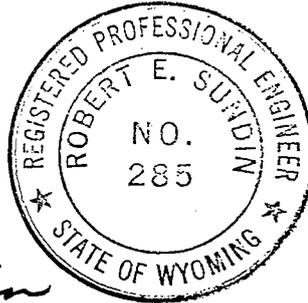
William L. Garland

Administrator
Water Quality Division



Robert E. Sardin

Director
Wyoming Dept. of Environmental Quality



August 21, 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. 80-384R

Renewal

Modified

Danny Cooper Shop Small Wastewater Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Cooper Sr. Danny
(Last) (First) (Middle)

P. O. Box 298
(Street or P.O. Box)

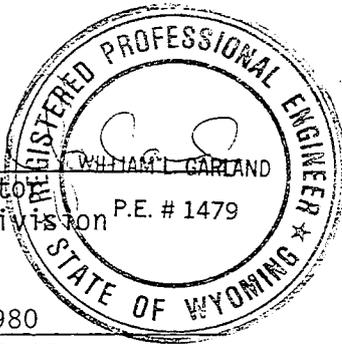
Wamsutter WY 82336
(City) (County) (State)

to construct, install, or modify a small wastewater facility
facility located in Section 34, T.20N., R.94W.
(Legal Description)

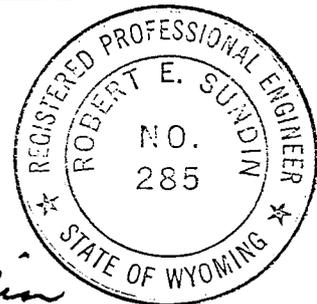
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Danny Cooper Shop

ENGINEER: David A. Violette
Box 111
Green River, WY 82935

OWNER: Danny Cooper Sr.
P. O. Box 298
Wamsutter, WY 82336

WATER QUALITY DIVISION REFERENCE NUMBER: 80-384

REVIEWING ENGINEER: Frank La Barge *FLB*

DATE OF REVIEW: August 6, 1980

RE: Danny Cooper Shop

ACTION: NOT AUTHORIZED.

COMMENTS:

1. What material is the septic tank made of?
2. A baffle is required on both inlet and outlet ends of the tank. Does this tank meet this requirement? What type are the baffles? Are they "T's", "L's", concrete, or plastic?
3. Inlet and outlet pipe material into and out of the tank should be cast iron or Schedule 40 PVC.
4. The minimum distance between the edges of the trenches is six feet not six feet from pipe to pipe.
5. Please submit the required information in triplicate to this office. If you have any questions, please call me or Darryl Alleman.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-385

GREEN VALLEY ESTATES PHASE A WATER SUPPLY

(Name of Facility)

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

Green Valley Estates, Inc., attn: Jerry Morel
119 Harvard Drive
Gillette, Wyoming 82716

to construct, install, or modify a public water supply

facility according to the procedures and conditions of the application

No. 80-385. The facility is located in Section 23,
T. 52N., R.73W.

in the County of Campbell, 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.

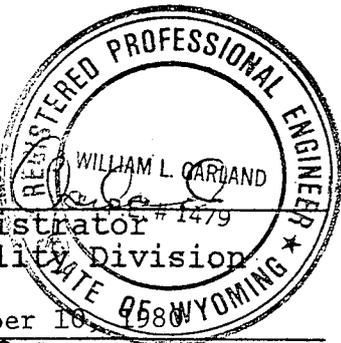
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

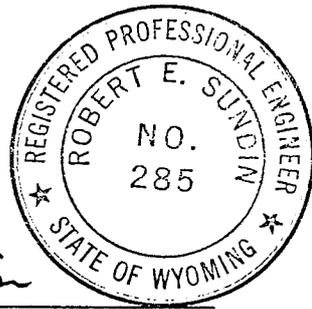
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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
Administrator #1479
Water Quality Division
September 16, 1980
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.

cc: Scott Engineering
P.O. Box 2097
Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Sewage Lagoon and Lift Station, Ethete, Wyoming

ENGINEER: George Allen, P.E.
U. S. Dept. of Health, Education and Welfare
Public Health Service
Sanitation Facilities Construction Branch

OWNER:

Wind River Indian Reservation

WATER QUALITY DIVISION REFERENCE NUMBER: 80-386

REVIEWING ENGINEER: *For* Jeff Hermansky *M. Lalin Callan*

DATE OF REVIEW: August 11, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Please submit the design criteria used for this facility (i.e. population served, average flows, peak flow, etc.).
2. Flexibility should be designed into the system to allow for pumping the sewage into either cell.
3. The first cell of the series should be the larger of the two cells. This will allow for more efficient aerobic decomposition and help to eliminate odors.
4. A method of ventilation should be provided for the wet well.
5. The enclosed Application for Permit to Construct should be filled out and returned to this office.
6. The plans and specifications should be stamped by an engineer licensed in the State of Wyoming.
7. A total of three copies of the plans and specifications are required by this office. Please send another two.

Enclosure

cc: Service Unit Director
PHS Indian Health Center
Ft. Washakie, WY 82514

PERMIT TO CONSTRUCT

New

Permit No. 80-387R

Renewal

Modified

Daniel Temporary Office Small Wastewater Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Daniel Construction Company
(Last) (First) (Middle)

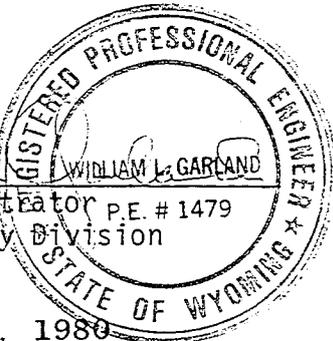
5100 Southwest Freeway
(Street or P.O. Box)

Houston Texas 77056
(City) (County) (State)

to construct, install, or modify a small wastewater
facility located in Sec. 30, T. 16N, 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 P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


August 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."



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 6, 1980

Mr. Ken Walker
Uinta Engineers and Surveyors Inc.
Box 746
Evanston, WY 82930

RE: DEQ #80-387

Dear Ken:

Please find enclosed information on the improved evapotranspiration bed and on subsurface disposal beds. Also enclosed is a copy of Wyoming Water Quality Rules and Regulations Chapter III for your reference.

On the basis of this new information I am also returning your application for Daniel Temporary Office. Also find enclosed a Small Wastewater Facility check list which should be completed and submitted with your revised plans.

If you have any questions, please call me or Darryl Alleman.

Respectfully,

A handwritten signature in cursive script that reads "Frank La Barge".

Frank La Barge
Water Quality Engineer
Water Quality Division

FL/dl

Enclosure

PERMIT TO CONSTRUCT

New

Permit No. 80-388R

Renewal

Modified

Jeffers Electric
(Name of Facility)

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

Dean Jeffers

1257 Birch

Douglas, WY 82633

to ~~construct, install, or modify~~ a subsurface wastewater disposal

facility according to the procedures and conditions of the application

o. 80-388R. The facility is located in Sec. 17, T32N, R71W

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.

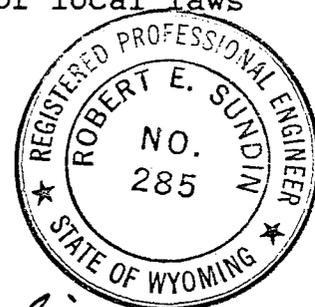
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

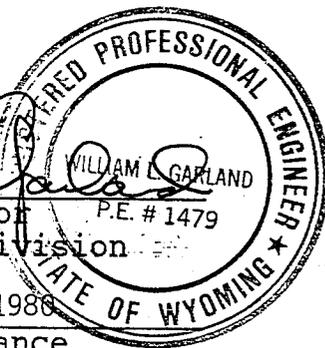
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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
Administrator
Water Quality Division
September 29, 1988
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.

cc: Thomas E. Burnett
Carter-Leikam & Associates
740 So. 4th, Suite D
Douglas, WY 82633

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ 401 West 19th Street
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
Cheyenne, Wyoming 82002

PROJECT: Jeffers Electric

ARCHITECT OR ENGINEER: Thomas E. Burnett, Carter-Leikam & Assoc., 740 S. 4th Suite D,
Douglas, WY 82633

WATER QUALITY DIVISION REFERENCE NUMBER: 80-388

REVIEWING ENGINEER: Theodore D. Coyer, P.E.

Theodore D. Coyer

DATE OF REVIEW: 8-8-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The percolation test results are unacceptable, because a stabilized rate had not been reached. What caused the percolation rate to decrease from 90 min. per inch to 30 min. per inch?
2. How was the wastewater flow rate (150 gpd) determined?
3. The "gravel-less" drain field system is not approvable. However, it can be considered if complete detailed operational data is provided from an independent research firm.
4. The application indicates the drain field as a trench system but the area is computed as a bed. Please clarify.
5. The septic tank must be provided with baffles and access covers at the tank inlet and outlet.

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

W.S. S. 1980

PERMIT TO CONSTRUCT

New Permit No. 80-389R
 Renewal
 Modified

Oakview Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

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

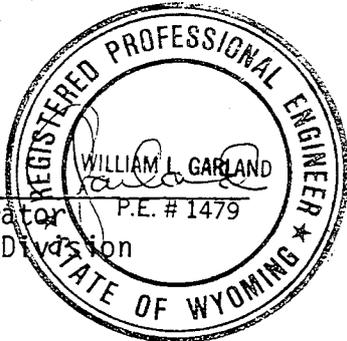
2101 O'Neil Avenue
(Street or P.O. Box)

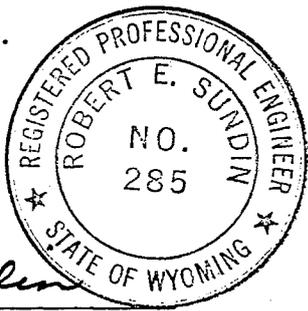
Cheyenne, WY 82001
(City) (County) (State)

to construct, install, or modify a potable water distribution and sewage collection systems
facility located in Section 19, 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


August 20, 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

~~STATE OFFICE XXXXXXXXXXXX~~ 401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Oakview Subdivision

ARCHITECT OR ENGINEER: Fred A. Sielbach, P.E., CSSA, Wyoming
1780 Westland Road, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-389

REVIEWING ENGINEER: Theodore D. Coyer *Theodore D. Coyer*

DATE OF REVIEW: 8-14-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The relocated sanitary sewers shall be designed to provide flow capacities at least equal to the existing capacities.

cc. Fred A. Siebach, Sr.
CSSA/Wyoming
1700 Westland Road
Cheyenne, WY 82001

log file

PERMIT TO CONSTRUCT

New

Permit No. 80-390

Renewal

Modified

Cheyenne Plaza
(Name of Facility)

This permit hereby authorizes the applicant:

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

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

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

to construct, install, or modify a public water supply & municipal wastewater collection
facility located in Section 34, 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
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

August 14, 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. 80-391
Renewal
Modified

WYOMING CONFERENCE OF SEVENTH DAY ADVENTIST SCHOOL
(Name of Facility)

This permit hereby authorizes the applicant:

Garland (Last) Ray (First) (Middle)

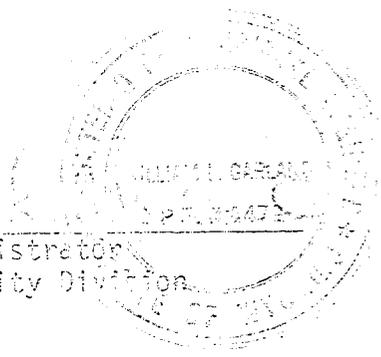
P.O. Box 395 (Street or P.O. Box)

Buffalo (City) Johnson (County) Wyoming 82834 (State)

to construct, install; or modify a subsurface wastewater disposal facility located in Section 33, T.51N., R.82W. (Legal Description)

in the County of Johnson, 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.

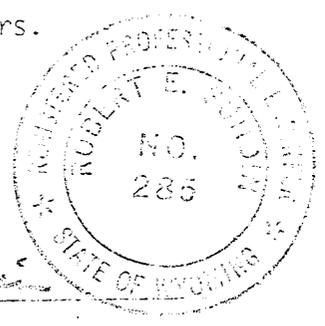
AUTHORIZED BY:



Administrator Water Quality Division

Handwritten signature of Robert E. Johnson

Director Wyoming Dept. of Environmental Quality



August 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 not applicable discharge permit conditions or other permit or operational requirements.

PERMIT TO CONSTRUCT

New

Permit No. 80-392R

Renewal

Modified

Jr. Mining Ltd. - Non Discharging Settling Pond
(Name of Facility)

This permit hereby authorizes the applicant:

Jr. Mining Ltd. - c/o Larry C. Johnson
(Last) (First) (Middle)

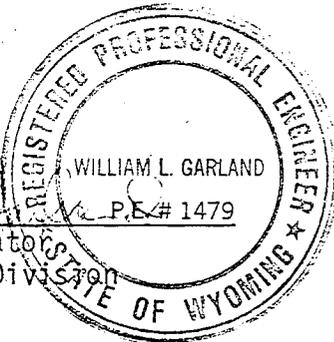
1712 Bryon Stock Road
(Street or P.O. Box)

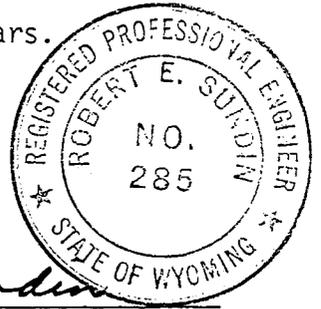
Casper, Wyoming 82601
(City) (County) (State)

to construct, install, or modify a settling pond for gold-dredging operation
~~facility~~ located in Sec. 7, T. 29N, R. 99W
(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


August 20, 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

August 7, 1980

Jr. Mining Ltd.
c/o Larry C. Johnson
and George Rose
1712 Bryon Stock Road
Casper, WY 82601

Re: Review of Settling Pond Proposed
for Gold Mining Operation - Sec.7,
T. 29N, R. 99W, Fremont County
DEQ #80-392

Dear Sirs:

Under a directive issued from our Cheyenne office, all "fixed" settling ponds will have to have plans and specifications stamped by a licensed professional engineer and submitted to this office for approval.

If you have any questions concerning this policy or if you need assistance in contacting a local professional engineer, please do not hesitate to call us.

Respectfully,

A handwritten signature in cursive script that reads "M. Robin Collins".

M. Robin Collins, P.E.
Northwest District Engineer

MRC/kn

cc: Bureau of Land Management - Lander
U.S. Forest Service - Lander
Wyoming Game and Fish Department - Lander
DEQ/WQD - Cheyenne ✓

4-13-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 13, 1984

Casino Partners
P.O. Box 9337
Casper, WY 82602

Gentlemen:

On February 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 80-393R, facility name Casino Subdivision. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process at this time. We understand that subdivision plans may be submitted later this spring under a new application for a phased construction project.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

LCF/nc

cc: Terry Titus
Worthington, Lenhart, Carpenter & Johnson, Inc.
632 South David Street
Casper, WY 82601

27



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Casino Partners
P.O. Box 9337
Casper, WY 82602

Attention Karen Johnson

Gentlemen:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Casino Subdivision
DEQ/WQD Reference Number:	80-393R
Engineering Consultant:	Terry Titus, Worthington, Lenhart, Carpenter & Johnson Inc.
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	October 28, 1980

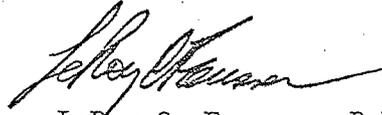
Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

Telephone conversation on 6 April 84 concerning late submission of revised plans. Therefore, I am returning original plans to applicant
JK

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Terry Titus
Worthington, Lenhart, Carpenter & Johnson, Inc.
632 South David St.
Casper, WY 82601

2-15-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Casino Partners
P.O. Box 9337
Casper, WY 82602

Attention Karen Johnson

Gentlemen:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Casino Subdivision
DEQ/WQD Reference Number:	<u>80-393R</u>
Engineering Consultant:	Terry Titus, Worthington, Lenhart, Carpenter & Johnson Inc.
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	October 28, 1980

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Terry Titus
Worthington, Lenhart, Carpenter & Johnson, Inc.
632 South David St.
Casper, WY 82601

236

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Casino Subdivision

ARCHITECT OR ENGINEER: Terry Titus, Worthington, Lenhart, Carpenter &
Johnson, Inc.

632 South David, Casper, WY 82601
WATER QUALITY DIVISION REFERENCE NUMBER:

80-393
REVIEWING ENGINEER: LeRoy C. Feusner, P.E.

DATE OF REVIEW: 9-16-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. What are the material/construction specifications? If you plan to use the 1979 Wyoming Public Works Standards or City of Casper Standards, provide a note on the drawings.
2. Plans for the Casino Subdivision cannot be given final approval by the Water Quality Division until we receive certification from the Wardwell Water and Sewer District and the Bar Nunn Sewer Services, Inc. as to the adequacy of the water supply and wastewater treatment.

PERMIT TO CONSTRUCT

New

Permit No. 80-394RRRR

Renewal

Modified

Glendo Wastewater Treatment Facility
(Name of Facility)

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

Town of Glendo

P.O. Box 396

Glendo, WY 82213

to construct, install, or modify a 6000 l.f. of sewer force main and a 6-cell evaporative sewage lagoon facility according to the procedures and conditions of the application No. 80-394RRRR. The facility is located in Section 16, T29N, R68W in the County of Platte, 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.

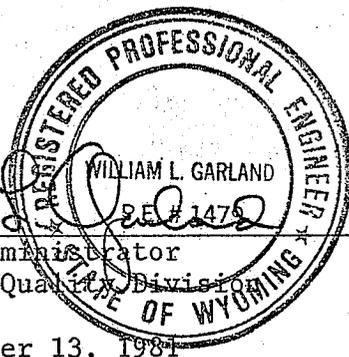
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

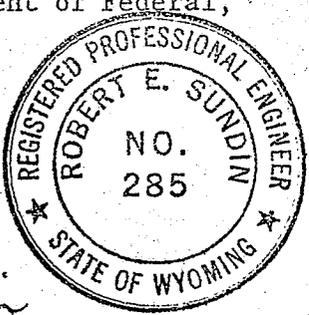
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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
PE # 1479
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Dept. of Environmental Quality

October 13, 1981
Date of Issuance

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

cc: G. A. Fluke
Plains Engineering
BHP & L Bldg.
Hot Springs, SD 57747

Review
file

PERMIT TO CONSTRUCT

Permit No. 80-394RRRR

- New
- Renewal
- Modified

Glendo Wastewater Treatment Facility
(Name of Facility)

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

Town of Glendo

P.O. Box 396

Glendo, WY 82213

to construct, install, or modify a 6000 l.f. of sewer force main and a 6-cell evaporative sewage lagoon facility according to the procedures and conditions of the application No. 80-394RRRR. The facility is located in Section 16, T29N, R68W in the County of Platte, 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.

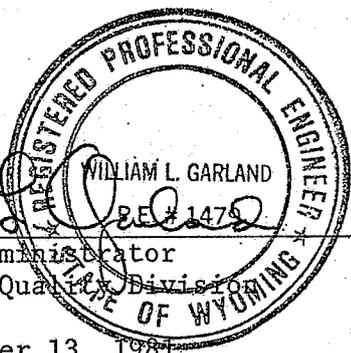
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

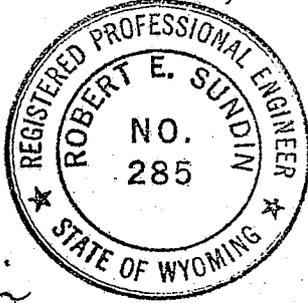
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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
No. 1475
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Dept. of Environmental Quality

October 13, 1981
Date of Issuance

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

cc: G. A. Fluke
Plains Engineering
BHP & L Bldg.
Hot Springs, SD 57747

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Glendo Sewage Lagoon
C 560112-94 (skp 4), Platte County

ARCHITECT OR ENGINEER: Gordon A. F. Fluke, Plans Engineering
B.H.P.&L. Bldg., Hot Springs, SD 57747

WATER QUALITY DIVISION REFERENCE NUMBER: 80-394RR

REVIEWING ENGINEER: T. S. Norman *TSN*

DATE OF REVIEW: March 13, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

General Specifications

- 1. pg 4, #19, Requires permit to dewater if water enters a state water.
- 2. Section 403, pg 1 of 2, What pressure class is the ductile iron pipe.
- 3. Section 601.10(6/8), What is the allowable or design permeability before bentonite will be required?
- 4. Section 601.12. Shouldn't a volume of riprap per square yard be specified to be assured of adequate cover?

Plans

- 1. Presume the stand by mobile pump for Phase I will also meet the stand-by requirements for Phase II.
- 2. Sources show that the prevailing wind direction ranges from the southwest to the northwest. This would indicate riprap should be placed on the north, east, and south sides at a minimum.
- 3. Ten State Standards (TSS) require that stormwater runoff be diverted away from the pond. This is not the case on the south side of lagoons. Although the engineer stated the runoff amount is insignificant, the plan contours do not show the extent of drainage area. Runoff diversion is recommended.

4. Why is the pumping station not located at the lowest point in the sewer (Station 33 + 50) to reduce pumping costs and the length of pressure pipe required. Page 10/12 indicates that a 30'x25' parcel of land would be adequate for the lift station. Is the purchase of such a plot impossible? The moving of the pump station would allow gravity flow of more areas.
5. At a minimum, the intercell piping should allow the isolation of any cell for draining and maintenance. This could be easily done by (1) having a discharge point from the force main to Cell #3 and (2) have an outlet from Cell #1 to Cell #3. These two changes would allow the isolation of either Cell #1 or Cell #2 when necessary.
6. A plate or cover should be installed over the entrance to the parshall flume structure to prevent splashing from the force main, pg 11/12.
7. Section AA, pg 10/12, The alarm signal "on" and the lag pump "on" should be placed at the same elevation.
8. Suggest increasing the run time on the lead pump as it is less than 3 minutes.
9. Pg 9/12, On the outlet structures, how will the planks be tied down to keep from floating? How will a good seal be formed at the bottom between the plank and the concrete? The note, "varies 2'0" to 4'0" is not correct as the maximum for the last four cells is 2'. The note for the scum baffle being 4" below the center (?) of the weir should be 'below the top' in order to be consistent with the drawing. What is the purpose of the 2"x2' weir and where is it installed?
10. DEQ still has problems with the 4' deep lagoon concept (2' operating and 2' free board depth) as there is no operating depth allowance. Concern is shown for the odor and weed problems with the two foot and less operating depth. Although the 2' operating and 2' free board depth is an acceptable minimum, most sources recommend a minimum of 3' operating depth for weed and odor control and a 3' free board for wave erosion control. This differs significantly from yours. With the depth varying from 0' to 2', vegetation will flourish and maintenance costs will greatly increase.

However, if you can supply information on (1) a similar designed facility that operates properly and (2) that the Town can afford the extra maintenance costs, DEQ will consider your design concept.

Soils Analysis

1. Figure #1 for locating the test holes was not included.
2. Why were the test holes only drilled to 10 feet when some of the cuts will be 32 feet.
3. Why does TH #3 have such a different soil structure and how will the unsuitable material be dealt with?

4. A coefficient of permeability of 0 cm/sec. seems unusual. Why wasn't the test repeated? If the permeability is zero, my conclusion is that there will be no exfiltration and then the lagoon sizing is inadequate.
5. The conclusions state the soil is "readily attacked by both wind and water erosion" which indicates that intense riprapping is necessary.
6. The recommendations call for surface drainage to prevent settlement. This has not been provided on the south side.
7. The recommendations state that "some seepage will occur" resulting in "moderate settlement." This is not compatible with the zero permeability test results. Why? Also will moderate (?) settlement deteriorate the integrity of the dikes or the seal?
8. The "Sealing Operations" recommend "filling the ponds as soon as possible." Is this going to be followed or are the ponds going to be dry most of the time.

Groundwater Analysis

1. Is there any water quality data available for those wells in the area.

Groundwater Monitoring

1. The groundwater monitoring program must be established before a 'Permit to Construct' will be issued. DEQ must be assured that the community agrees to a program that will protect the groundwater. Items that must be addressed are as follows:
 - a. Background parameter analysis.
 - b. Sampling and reporting schedule.
 - c. Routine parameters to be monitored (i.e. total dissolved solids, ammonia, nitrates, nitrite, etc).
 - d. Procedure for taking samples.
 - e. Maximum contaminate levels when the treatment system should be terminated.
 - f. Possible alternatives if contamination is detected.
2. It is recommended that the monitoring well be installed as soon as possible during the construction phase and background samples be obtained.

General

1. What is the scheduling for obtaining certified operators to run the treatment facility?

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Glendo Sewage Lagoon & Transport System,
C560112-94 (Step 4), Platte Co.

ARCHITECT OR ENGINEER: Gordon A. Fluke, Plains Engineering, B.H.P.&L.
Bldg., Hot Springs, SD 57747

WATER QUALITY DIVISION REFERENCE NUMBER: 80-394R

REVIEWING ENGINEER: T.S. Norman, E.I.T

T.S. Norman

DATE OF REVIEW: November 12, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application for 'Permit to Construct' must be submitted.
2. Enclosed is a copy of the "Quality Standards for Wyoming Groundwaters", Chapter VIII of Wyoming Water Quality Rules & Regulations and it essentially states that groundwaters of the State must be protected. In order to determine the affect of the lagoons on the groundwater, a recent groundwater analysis below the proposed site and a recent wastewater analysis must be submitted. These results will help determine the groundwater classification (Section 4 & 5, Chapter VIII) and thus determine any subsequent limitations for pond seepage. These analyses must include the parameters described in the EPA Primary & Secondary Drinking Water Regulations except that the analysis for organic chemicals and radionuclides may be omitted at this time.

DEQ will not issue a 'Permit to Construct' based on your proposed procedure of sealing the lagoon bottom. We must be assured that the existing soils have adequate characteristics to acquire the seepage rate which is needed to protect the groundwater or to maintain the two (2) foot minimum water depth. If the existing soils are not adequate, another method of sealing the pond is required.

3. The correct cleanout detail must be submitted. Concern is expressed on the spacing of cleanouts. In the event of a clogged force main, approximately 2225 feet of pipe might have to be uncovered to locate the clog. The frequency of clogs and subsequent expenses might easily justify additional cleanouts.
4. Are the air and vacuum valves described in the 'Specifications'? Is the APCO No. 200-A also a vacuum valve? Is this valve recommended for raw sewage or will it easily clog?

5. Ten States Standards require a 2.0 foot minimum operating depth and a 2.0 minimum freeboard for the ponds. The proposed pond depth from top of berm to pond bottom is only 4.0 foot. Therefore, no variance in water depth is expected. Can this be obtained? Will there be adequate wintertime storage (especially when precipitation exceeds evaporation during this season)?
6. Does the corrugated aluminum pipe have adequate strength to permit traffic? I am unfamiliar with corrugated 'aluminum' pipe. Will the pipe be coated or uncoated? The specifications allow either.
7. Flow measurement facilities shall be provided at all plants (Ten State Standards - TSS).
8. Warning signs and pond level gauges are also required (TSS).
9. Inter-pond piping
 - a. The outlet structures do not allow the positive control of the pond water elevation. Essentially all the water could drain down to the bottom pond if the gates were left open. The outlet structures should allow multi-level draw-off.
 - b. Some device should be installed to prevent floating debris and scum from existing through the outlets.
 - c. Erosion control shall be installed around the inlet to prevent damage to the dike or pond bottom (TSS, Sec. 104.36).
10. Erosion control shall be installed on the dikes (TSS, Sec. 104.17).
11. Concrete Lift Station
 - a. The maximum flow is underestimated. A peaking factor of '2.5' is inadequate for the Glendo system unless existing data can indicate otherwise.
 - b. The alarm signal shall be at the same level as the lag pump to indicate lead pump failure.
 - c. Interior steps should be corrosion resistant.
 - d. Pumps must pass a 3" sphere (TSS).
 - e. Electrical conduits shall have watertight seals (TSS).
 - f. Valves shall not be located in the wet well and shall be located in a separate valve pit (TSS).
 - g. Alarm system and emergency operation does not meet Section 35 & 36 of TSS.
12. A detail is needed for the primary pond inlet to show connection from force main to inlet piping. The design should prevent freezing and should not allow back siphonage of the lagoon in case of force main break.

13. How will runoff from the south side be routed away from the pond system?

cc: Town of Glendo
P.O. Box 396
Glendo, WY 82213

80-394



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 3, 1980

Mr. Gordon A. Fluke
Plains Engineering
B.H. P. & L. Building
Hot Springs, SD 57747

RE: Glendo, Wyoming
Sewage Lagoon & Transport System
C 560112-94 (Step 4)

Dear Mr. Fluke:

In reviewing the plans and specification for the Glendo Sewage Lagoon and Transport System, I feel I cannot adequately evaluate the system from the design standpoint without acquiring more detailed design information. I have enclosed the guidelines which our office has adopted this year for reviewing applications for wastewater pond construction permits. I would assume that you have evaluated all this criteria at one time in your design and thus this would be just a matter of gathering this information and submitting it to me for review.

I will continue to review your plans and specifications for content but must wait for the design information to evaluate the lagoons, lift station and pipe sizes.

If you have further questions, please contact this office.

Sincerely,

Thomas S. Norman, E.I.T.
Water Quality Engineer

TSN/nmb

Enclosure

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-395RR
80-396RR

Bitter Creek Rest Area Sewage System Modifications
(Name of Facility)

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

Wyoming Highway Dept-c/o Gary Brown P.E.
P.O. Box 1708
Cheyenne, WY 82001

to construct, install, or modify a I-80 EBL and WBL lined two-cell
lagoons

facility according to the procedures and conditions of the application
No. 80-395RR 80-396RR. The facility is located in Sec. 10, T19 N,
R99W

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

The issuance of this permit provides that the Department of Environ-
mental 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 responsi-
bility of the applicant, owner, or operator.

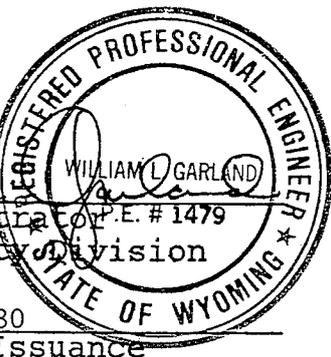
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

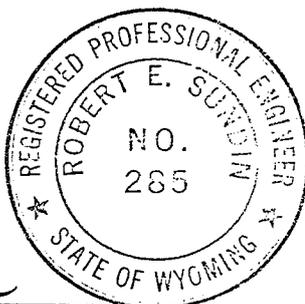
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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
P.E. # 1479
Administrator
Water Quality Division
STATE OF WYOMING
September 30, 1980
Date of Issuance


Robert E. Sundin
ROBERT E. SUNDIN
NO.
285
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
Director
Dept. of Environmental Quality

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

MRC/yh

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Bitter Creek Rest Areas Sewage System Modifications

ENGINEER: Gary Brown, P.E.
Wyoming Highway Department c/o Howard Guill
P.O. Box 1708
Cheyenne, WY 82001

OWNER: Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-395 and 80-396

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

DATE OF REVIEW: August 18, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

After reviewing the aforementioned project and referencing my recent phone conversation with Howard Guill, I would like to offer the following comments for your consideration in processing the necessary permit:

1. In order to complete our review, you will need to submit all design parameters pertinent to the sizing of these two-cell waste stabilization ponds.
2. The width of the first cell for the W.B.L. facility should be coordinated between sheets 2 and 4 of the submitted plans.
3. We really do not see the need for installing liners for these ponds. If the pipeline companies feel that seepage from these ponds in this type of soil will seriously increase the potential for corroding their pipelines, we feel their position should be documented through the available literature.
4. In order to increase the capacities of these ponds, it is recommended that the ponds be enlarged to provide operating water levels of at least four-feet and preferably five-feet.
5. The flexibility of these ponds should be increased by providing a means of discharging from the treatment plant directly into the second cell as well as the first cell.
6. One of the critical features of using a PVC liner is to insure that it will not be exposed directly to the sunlight. Recommend seeding of the pond dikes be done in a timely manner if erosion problems are encountered.

August 18, 1980

7. Because of potential problems associated with ice, recommend the discharge pipe from the treatment plant to the cells be laid such as to provide a flow that can reduce freezing.

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

MRC/kn

Lef

5-1-81

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Industrial Area Interceptor Sewer

ARCHITECT OR ENGINEER: James H. Carney, P.E., City Engineer
P. O. Box 953, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 80-397RRR

REVIEWING ENGINEER: Theodore D. Coyer, P.E. *Theodore D. Coyer*

DATE OF REVIEW: May 1, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide verification from the manufacturer or independent testing firms that solvents, gasolines, abrasives and the like will not disturb or otherwise harm the pipe lining.
2. What is the life expectancy of the pipe, and how long will the manufacturer guarantee it?



Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 10, 1981

James H. Carney
City Engineer
City of Rawlins
P. O. Box 953
Rawlins, WY 82301

RE: Industrial Area Interceptor Sewer - City of Rawlins,
Ref. No. 80-397RR - NOT AUTHORIZED FOR CONSTRUCTION

Dear Mr. Carney:

We have received your letter dated March 3, 1981, concerning the above referenced project.

The supplemental specifications which you submitted only answer part of our concerns. The following information must be provided before we will take further action on your construction permit request:

1. Provide detailed drawing of the manhole construction.
2. Provide verification from the manufacturer or independent testing firms that solvents, gasolines, abrasives and the like will not disturb or otherwise harm the pipe lining.
3. What is the life expectancy of the pipe, and how long will the manufacturer guarantee it?
4. Provide detailed drawings of the pipe joints.
5. Infiltration/Exfiltration specifications for the sewer must be provided. If infiltration, verification that the pipe will be submerged must be provided to insure a meaningful test. Will the "Wyoming Public Works Standards" be used? If so, we need assurance from the manufacturer that the pipe can meet them.

As soon as these questions and concerns are answered satisfac-

James H. Carney
March 10, 1981
Page 2

torily, we will take further action toward issuing a construction permit for this project.

If you have any questions about it, please feel free to contact us about them.

Very truly yours,



Theodore D. Coyer, P.E.
Environmental Engineer
Water Quality Division

TDC/pjb

L 5

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: City of Rawlins, Industrial Area Interceptor Sewers

ARCHITECT OR ENGINEER: James H. Carney, P.E., P. O. Box 953
Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 80-397R

REVIEWING ENGINEER: Theodore D. Coyer, P.E. *Theodore D. Coyer*

DATE OF REVIEW: November 6, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Details of the sanitary sewer appurtenances, such as manholes, shall be shown on the plans.
2. Verification that solvents, gasolines, abrasives and the like will not disturb or otherwise harm the proposed pipe liner must be provided.
3. Since the ends of the pipe do not prevent sewage from coming into contact with the steel band at the joints, we need verification from the manufacturer that the bands will not corrode.
4. Details of the corrugated steel pipe joints must be provided.
5. Infiltration/Exfiltration specifications for the sewers must be provided. Will the specifications in the "Wyoming Public Works Standards" be used? If so, we need assurances from the manufacturer that the corrugated steel pipe can meet them.
6. A detail of the service connection, if any, shall be provided.
7. Bedding requirements for the pipe must be specified if different than the specifications in the "Wyoming Public Works Standards."

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ 401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: Industrial Area Interceptor Sewers

ARCHITECT OR ENGINEER: James H. Carney, P.E., P.O. Box 953,
Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 80-397

REVIEWING ENGINEER: Theodore D. Coyer, P.E.

Theodore D. Coyer

DATE OF REVIEW: August 20, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The basis of design for each segment of sanitary sewer must be submitted before a final review of the plans can be completed.
2. Any deviations from the Wyoming Public Works Standard Specifications, such as type of pipe or manholes to be used must be detailed on the drawings.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-398R

W. B. Bates

(Name of Facility)

This permit hereby authorizes the applicant:

Bates W. B.
(Last) (First) (Middle)

130 South Wolcott
(Street or P.O. Box)

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

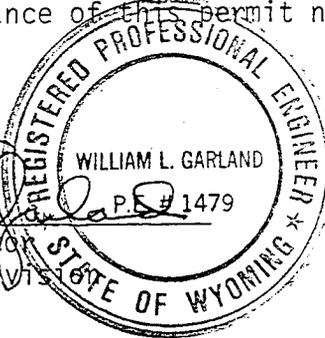
to construct, install, or modify a industrial subsurface disposal wastewater
treatment facility
facility located in Section 34, T34N, R80W
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2)

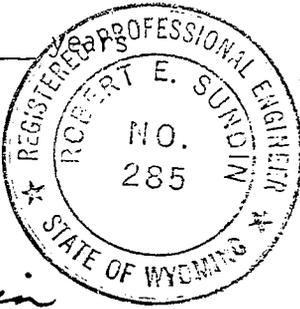
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 28, 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, P.E.
Engineering Inspection Testing Serv.
P. O. Box 4075
Casper, WY 82601

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~STATE OFFICE WYOMING~~ 401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: W. B. Bates

ARCHITECT OR ENGINEER: Gray C. Wangelin, P.E., Engineering Inspection
Testing Serv., P.O. Box 4075, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-398

REVIEWING ENGINEER: Thomas S. Norman, E.I.T. *T.S.N.*

DATE OF REVIEW: August 14, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Item B. 6. on check list. If depth to groundwater or impervious layer is "under 10 feet", what is specific depth? This does not correlate with 10 foot to impervious layer as stated on "Drawing Item".
2. Item 4 & 5 on Drawing. The volume of wastewater (140 gpd + 160 gpd = 300 gpd) does not correlate with "Application" (180 gpd). Please clarify.
3. Item 8 on Drawing. Inspection pipe is not shown on drawing as stated.
4. Perforated drain pipe must be capped on the ends.
5. Is the drainage area a leach field or absorption bed? Drawing indicates a "bed" while Item C. 1. indicates a "field."
6. Application sheet. This Wastewater Treatment Facility should be classified as "Industrial" rather than "Small".



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 28, 1980

Warm Springs, Inc.
420 E. Park
Riverton, WY 82501

Re: Warm Springs Water System: Existing
Pumped Supply System, Dubois, WY
DEQ #80-399R (Ref. 78-304)

Dear Sir:

In regard to our approval of your application for the aforementioned project, we would like to offer the following comments for your consideration.

Based on the given plans and specifications and a recent on-site visit, the constructed water system should adequately handle the expected water flows for the development and thus is acceptable to our Department. A "Permit to Construct" will not be sent because the facility has already been built.

As a general reminder, construction of a wastewater system or a public water supply without a "Permit to Construct" from this Department is a violation of Section 35-11-301, part 3 and 5, of the Wyoming Environmental Quality Act as amended. If this practice continues in the future, this office will recommend that legal action be initiated against the violators.

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

Respectfully,

A handwritten signature in cursive script that reads "M. Robin Collins".

M. Robin Collins, P.E.
Northwest District Engineer

MRC/kn

cc: Wind River Engineers, Don Fraser
Fremont County Planner
DEQ/WQD - Cheyenne ✓

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-400
 Ref. 80-399R and 78-304

Warm Springs Water System: Pumped Supply System Extensions
 (Name of Facility)

This permit hereby authorizes the applicant:

Warm Springs, Inc. - Agent: Don Fraser, P.E.
 (Last) (First) (Middle)

420 E. Park
 (Street or P.O. Box)

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

to construct, install, or modify & extensions to the public water supply
 facility located in Sec. 9, T. 41N, R. 107W
 (Legal Description)

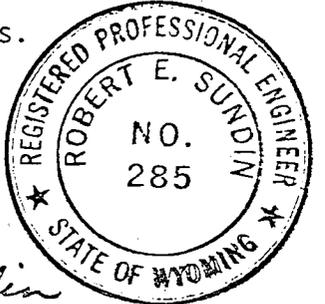
in the County of Fremont, in the State of
 Wyoming. This permit shall be effective for a period of two years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division
 STATE OF WYOMING



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



August 28, 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."