

CC: Arix
625 E. Madison
Riverton, WY 82501
ATTN: James Gores, P.E.

4-10-80

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-151
(Cross Ref.: 79-457R)

Town of Jackson Sewer Interceptor
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Jackson
(Last) (First) (Middle)

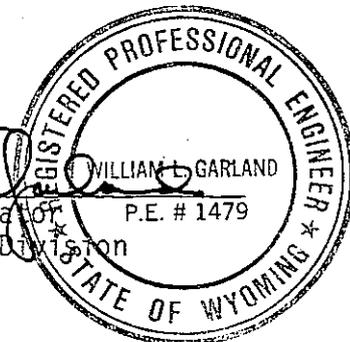
P. O. Box 1687
(Street or P.O. Box)

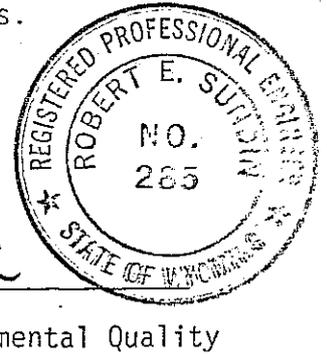
Jackson, WY 83001
(City) (County) (State)

to construct, install, or modify a sewer - water line crossing
facility located in Section 17, T. 40N., R. 116W.
(Legal Description)

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

AUTHORIZED BY:

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


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


April 4, 1980
Date of Issuance

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

M to 7
5-7-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-152R

Wilson Industrial Park
(Name of Facility)

This permit hereby authorizes the applicant:

Jerry L. Wilson - Agent: Albert L. Nelson, P.E.
(Last) (First) (Middle)

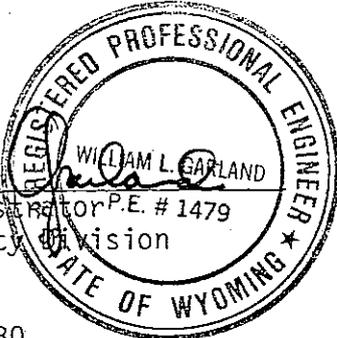
P.O. Box 1091
(Street or P.O. Box)

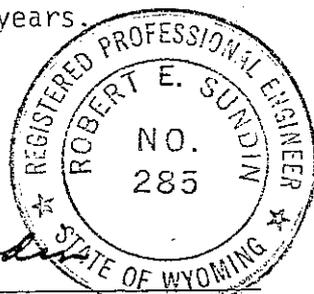
Jackson, Wyoming 83001
(City) (County) (State)

to construct, install, or modify a Temporary Supply Water and Wastewater Disposal Systems facility located in Sec. 6, T. 40N, R. 116W
(Legal Description)

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

AUTHORIZED BY:

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


Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality


May 5, 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: Wilson Industrial Park

ENGINEER: Nelson Engineering Attn: Albert L. Nelson, P. E.
P. O. Box 1599
Jackson, Wyoming 83001

OWNER: Jerry L. Wilson
P. O. Box 1091
Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-152

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



DATE OF REVIEW: April 14, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

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

- 1.) Detailed plans and specification for both the sewer line and water line which will remain in service after connection to the city's service lines should be given.
- 2.) Recommend periodic (weekly) bacteriological samples be run on the water supply at the industrial park. The water system must show an ability to consistently meet the bacteriological standards. If it cannot be met, chlorination equipment must be used to disinfect the water supply.
- 3.) The owner should submit a statement saying that once Jackson's public water supply and public wastewater disposal systems become available, he will dispense with these submitted temporary systems and make the necessary connections in a safe and timely manner.
- 4.) In order to prevent undue hydrogen sulfide and solids build-up in the sewer, I would recommend strong consideration be given to increasing the size of the proposed holding tank to at least 1875 gallons (avg. daily flow: 75 persons x 25 gal/cap/day = 1875 gallons.)
- 5.) Before connection is made to the temporary water supply well, we would like to review a complete chemical analysis of the well water.

6.) Three complete sets of plans and specifications for this project should be submitted.

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

cc: Bob Ablondi, Teton County Sanitarian



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 29, 1980

Colorado Interstate Gas Company
Box 1087
Colorado Springs, Colorado 80944

Re: Colorado Interstate Gas Company
Trailer Court, DEQ #80-153RRRR

Dear Sir:

Our office has reviewed the plans for construction of the water and sewer systems in the Colorado Interstate Gas Company Trailer Court. The plans meet the minimum requirements required by the State of Wyoming for mobile home courts.

I have, however, received a letter (attached) from Dale Johnson, Town Engineer for the project (dated July 17, 1980). Mr. Johnson has expressed concern about some aspects of the project. I strongly urge you to contact Mr. Johnson and, where possible, to conform to the town's requirements.

Since construction on the project is nearly complete, we will not issue a permit to construct. You should be advised that it is a violation of the Wyoming Environmental Quality Act to commence construction without a permit from our Department.

This letter is an acknowledgment that the plans do meet our minimum requirements and that what has been built to date appears to conform to the plans. Our acceptance of the system, however, is contingent upon completion of the planned connection of the trailer park to the Wamsutter town sewer system by August 1, 1981.

If you have any questions, please contact me.

Sincerely,

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

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

DDA/kn

cc: Dale Johnson
DEQ/WQD - Cheyenne
James Henneck, Mayor of Wamsutter
L.M. Olson



THE STATE OF WYOMING

80-153

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3044 ³¹⁴⁴

April 18, 1980

R & E Engineering
P. O. Box 494
Rawlins, WY 82301

RE: Review of Engineering Plans and Specifications for issuance of
a "Permit to Construct".

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

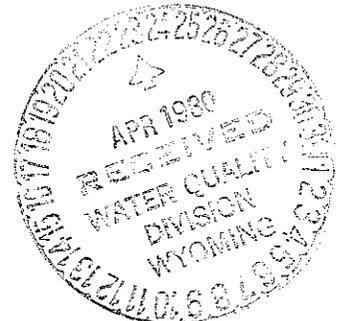
Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your project as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter is greatly appreciated.

Respectfully,

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

✓ cc: Bill Garland, Administrator Water Quality Division



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Colorado Interstate Gas Company Mobile Home Court

ENGINEER: Rob Roy Logan
R&E Engineering
Box 494
Rawlins, WY 82301

OWNER:



WATER QUALITY DIVISION REFERENCE NUMBER: 80-153

REVIEWING ENGINEER: Francis LaBarge

Francis LaBarge

DATE OF REVIEW: June 2, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: Upon review of plans for the Wamsutter Mobile Home Court, the following recommendations are being made:

1. Please fill out and return the enclosed applications for permit to construct.
2. The cleanout and sewer riser shall be at least 6 inches above the ground service.
3. The method for disinfection of water lines per AWWA Standards is required.
4. A letter from the city stating their wastewater disposal system can handle the additional flow from this proposed development is required.
5. We need one more set of plans for our records.
6. Recommend a concrete block be placed under each water riser in order to prevent excessive deflection.

FL/kn

cc: Detmer R. Knapp
P.O. Box 2308
Mills, WY 82644

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-154

B & L Industrial Acres Lot 1

(Name of Facility)

This permit hereby authorizes the applicant:

Larson Construction Company

(Last) (First) (Middle)

P.O. Box 1527

(Street or P.O. Box)

Mills,

WY 82644

(City) (County) (State)

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

facility located in Sec. 28, T34N, R80W

(Legal Description)

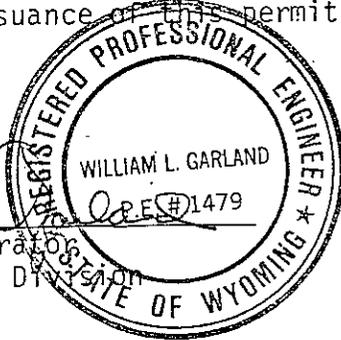
in the County of Natrona, in the State of

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

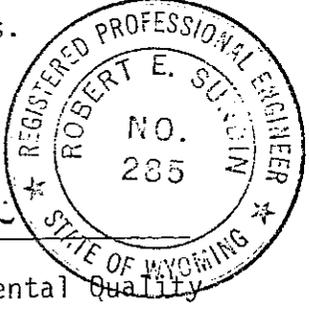
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division
 STATE OF WYOMING



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



April 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."

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

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

M
4-16-80

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 80-155

Baker Well Service
(Name of Facility)

This permit hereby authorizes the applicant:

Moak, Dave
(Last) (First) (Middle)

Baker Well Service
P.O. Box 4487

(Street or P.O. Box)

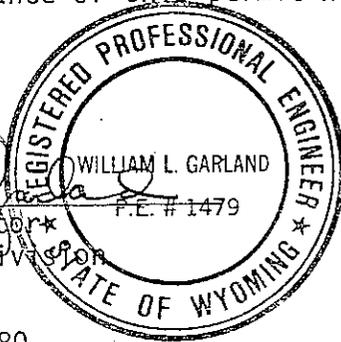
Casper, WY 82604
(City) (County) (State)

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

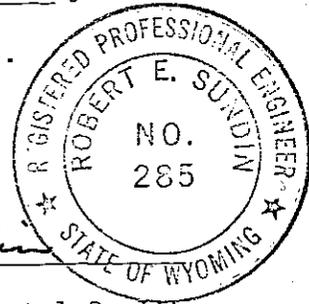
in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

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



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



April 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."

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

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-156RR

Chugwater Lagoon
(Name of Facility)

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

Town of Chugwater

Chugwater, WY 82001

to construct, install, or modify a municipal wastewater treatment facility according to the procedures and conditions of the application No. 80-156RR. The facility is located in Section 30, T21N, R66W 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.

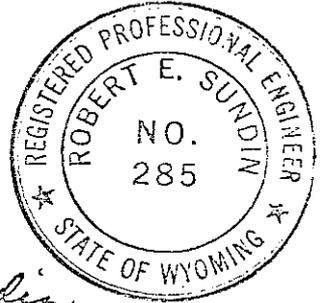
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditons or other effluent or operational requirements.

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. Carland

Administrator WILLIAM L. CARLAND
Water Quality Division # 1479
March 12, 1981

Date of Issuance

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM L. CARLAND" and the number "NO. 1479".

Robert E. Sundin

Director
Dept. of Environmental Quality

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

cc: J. Kenneth Kennedy
P. O. Box 1089
Wheatland, WY 82201

M
6/18

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Chugwater Lagoon, Platte County

ARCHITECT OR ENGINEER: J. Kenneth Kennedy, P. O. Box 1089, Wheatland, WY 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 80-156 R

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

DATE OF REVIEW: June 17, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

This project cannot be approved until the items covered in my review have been resolved. Tom Hamm has not been employed by this Division for several months. Since his leave, considerable effort has been taken to develop comprehensive groundwater quality regulations and standards. Although not yet fully implemented, we are reviewing all lagoon upgrading/land disposal projects for impact on groundwater quality. Therefore, the items listed in my review must be evaluated prior to the issuance of any Permit to Construct.

M
5-3-78

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION 401 W. 19th St.
~~STATE OF WYOMING~~ Equality State Bank Bldg.
Cheyenne, Wyoming 82002

PROJECT: Chugwater Lagoon, Platte Co.

ARCHITECT OR ENGINEER: J. Kenneth Kennedy, Kennedy Engineering, P.O. Box 1089,
Wheatland, WY 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 80-156

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. and E. J. Fanning

DATE OF REVIEW: April 28, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application for a Permit to Construct must be completed and submitted for this project.
2. The proposed eight inch effluent pipe cannot be located in the indicated location because it will result in short-circuiting the wastewater flow in the lagoon system and not provide adequate treatment for land application. The existing creek effluent pipe should be tapped near the lagoon with the eightⁱⁿ steel pipe and the wastewater piped to the adjacent ditch.
3. Since land application is an ultimate disposal system, the following additional information is required:
 - a. Flowrate from the lagoon system
 - b. Application rate for the wastewater
 - c. Total land surface area to be irrigated
 - d. Depth to groundwater
 - e. Soil characteristics, to include representative percolation tests, texture, etc.
 - f. Approval (written) of land owner where wastewater is to be applied.

M702
5-17-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-157RR

Star Valley Rest Area Wastewater Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

Wyoming Highway Department-Agent: Larry Martin, P.E.
(Last) (First) (Middle)

Attention: Gary Brown

(Street or P.O. Box)

Cheyenne Wyoming 82002
(City) (County) (State)

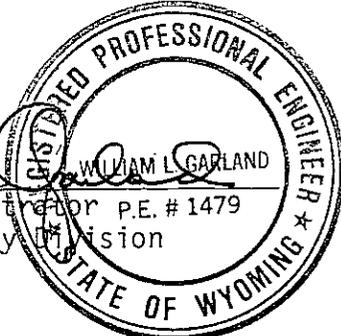
to construct, install, or modify a Septic Tank/Elevated Leach Field
facility located in Sec. 35, T. 34N, R. 119W
(Legal Description)

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

AUTHORIZED BY:

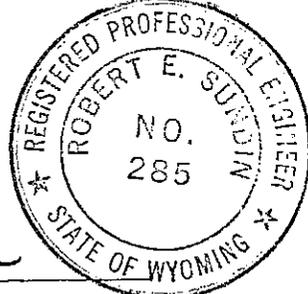
William L. Garland

 Administrator P.E. # 1479
 Water Quality Division



Robert E. Sundin

 Director
 Wyoming Dept. of Environmental Quality



May 9, 1980
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Star Valley Rest Area

ENGINEER: Willard Given and Associates Attention: Larry L. Martin, P.E.
1780 Westland Road
Cheyenne, WY 82001

OWNER: Wyoming Highway Department
Attention: Gary Brown
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-157^R

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



DATE OF REVIEW: April 25, 1980

ACTION: NOT AUTHORIZED.

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

1. The overall plans for the layout, septic tank, sump pump, and electrical work are acceptable but further clarification of the absorption area are needed. There is confusion on whether you planned to utilize an elevated leach "bed" or a series of elevated "trenches". Recommend a detailed cross-section of the proposed elevated leach field be given. Emphasis should be placed on showing the laterals at least 4-feet above the seasonal high groundwater table. Also, the entire elevated leach field should be covered and crowned with approximately 6-inches of topsoil. The perforated pipe should be surrounded by gravel as shown but the rest of the absorption area, except for the topsoil with grass stand, should be the selected fill material.
2. Recommend you specify what type fill material can be utilized. A medium textured sand is preferred.
3. Should specify that the original ground surface underneath the elevated leach field be plowed in order to expedite the absorption process.

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

MRC/kn

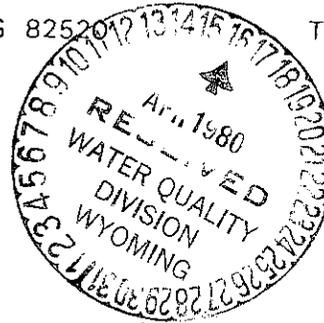
*Department of Environmental Quality**Water Quality Division*

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 11, 1980



Willard Given & Associates
1780 Westland Road
Cheyenne, Wyoming 82001

Attn: Larry L. Martin, P. E.

RE: Preliminary Review of Afton Thayne Rest Area - DEQ #80-157

Dear Mr. Martin:

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

The overall plan of utilizing a septic tank/absorption area for treating the expected wastewater flows from the rest area is a viable and feasible disposal method. Special emphasis should be given to running the percolation tests at the proposed site as well as determining the depth to the groundwater level.

Since a sump pump will be used, I would recommend that you utilize a mound disposal system as described in the enclosed manual. There are several important features to this system which need to be fully addressed in the final plans. In particular, three areas which should be fully discussed are:

- 1.) The original ground surface underneath the mound should be plowed in order to expedite the absorption process.
- 2.) The manifold pipe must be located below the laterals in order to prevent problems from freezing during the winter season.
- 3.) The wastewater storage capacity for the sump pump should be sized so as to prevent back-up problems from a typical power outage until electric service is returned.

Willard Given & Associates

April 11, 1980

Page 2

Once you have gathered the needed information please return the enclosed manual to this office for future use. If further information is required, please do not hesitate to contact us.

Respectfully,

A handwritten signature in cursive script, appearing to read "M. Robin Collins".

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

cc: Highway Department, Cheyenne
Lincoln County Planner
DEQ/WQD, Cheyenne

cc: C. B. Baringer
Lamb Const. Co.
P.O. Box N
Torrington, WY 82240

4-16-80

PERMIT TO CONSTRUCT

New

Permit No. 80-158

Renewal

Modified

Lamb Construction Company
(Name of Facility)

This permit hereby authorizes the applicant:

Lamb Construction Company
(Last) (First) (Middle)

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

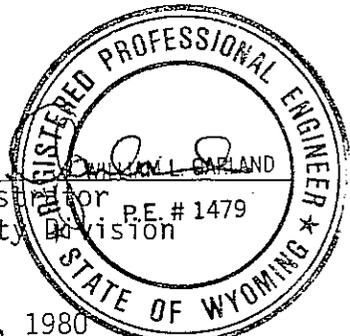
Torrington, WY 82240
(City) (County) (State)

to construct, install, or modify a commercial wastewater collection system and
holding tank
facility located in Sec. 7, T19N, R96W
(Legal Description)

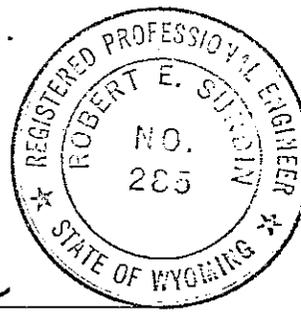
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



April 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."

cc: Russell Donley
501 N. Sun Drive
Casper, WY 82601

M
4-30-80

PERMIT TO CONSTRUCT

New

Permit No. 80-159

Renewal

Modified

2.6 Million Gallon Water Storage Tank and
14 Inch Diameter Water Transmission Main
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Mills
(Last) (First) (Middle)

P.O. Box 789
(Street or P.O. Box)

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

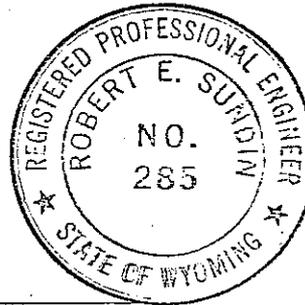
to construct, install, or modify a municipal water storage and transmission line
facility located in Sections 11 and 12, T33N, R80W
(Legal Description)

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

AUTHORIZED BY:

William L. Garland
Adminis. Director
Water Quality Division
P.E. # 1479


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



April 24, 1980
Date of Issuance

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

PERMIT TO CONSTRUCT



New

Permit No. 80-161 RRRR



Renewal



Modified

Utah Power & Light-Naughton Plant EGD Evaporation Pond
(Name of Facility)

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

Utah Power and Light

P.O. Box 899

Salt Lake City, Utah 84110

to construct, install, or modify a EGD Evaporation Pond

facility according to the procedures and conditions of the application

No. 80-161 RRRR. The facility is located in Sec. 28/29, T. 21N

R. 116W

in the County of Lincoln, 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.

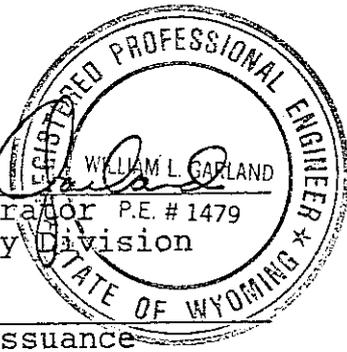
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

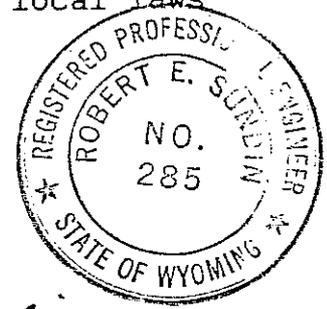
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 P.E. #1479
Water Quality Division
October 7, 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/yh

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Naughton Unit Number 3 FGD Evaporation Pond

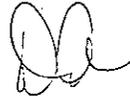
ENGINEER: B. H. Rao
Bechtel, Inc.
P.O. Box 3965

San Francisco, California 94119

OWNER: Utah Power and Light Company Attention: T. W. Forsgren
P.O. Box 899
Salt Lake City, Utah 84110

WATER QUALITY DIVISION REFERENCE NUMBER: 80-161RR

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



DATE OF REVIEW: July 28, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

With reference to your submittal dated July 17, 1980, we still have concerns about item number 2 as follows:

1. We need data describing the existing groundwater quality in order to establish background conditions. We also need to have pinpointed any existing or proposed monitoring wells around the facility.
2. The seepage pumping system does not appear to provide positive protection for the groundwater. A leak detection system is suggested. Also an operational plan is needed that explains what actions will be taken in the event a leak does occur in the future.
3. We will need to know the exact type of liner you intend to use prior to issuing a permit to construct.

DDA/kn

80-161



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144
~~307-332-3144~~

April 18, 1980

B. H. Rao
Bechtel, Inc.
P. O. Box 3965
San Francisco, CA 94119

RE: Review of Engineering Plans and Specifications for issuance of
a "Permit to Construct".

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

✓cc: Bill Garland, Administrator Water Quality Division



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: FGD Evaporation Pond

ENGINEER: B. H. Rao
Bechtel, Inc.
P. O. Box 3965
San Francisco, California 94119

OWNER: T. W. Forsgren
Utah Power & Light Co.
P. O. Box 899
Salt Lake City, Utah 84110

WATER QUALITY DIVISION REFERENCE NUMBER: 80-161 R

REVIEWING ENGINEER: Darryl Alleman, P.E.



DATE OF REVIEW: June 26, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

With reference to your application for a permit to construct the FGD Evaporation Project, the following additional information is requested:

1. A description of the wastewater quality to be impounded (i.e. physical, chemical, radiological, and bacteriological characteristics).
2. Please give specific details on the type of impervious membrane to be used and how it will be installed. Also please assess the potential impacts to existing local groundwater quality and uses should any significant leakage occur from the pond.
3. Please provide a general description as to how the facility is to be operated which includes expected daily and seasonal flow rates, expected evaporation rates, and any anticipated discharges to local surface waters or intermittent streams.

7 HD Evaporation Pond - Lincoln Co.
(returned copy to Lander)

5/1/80

Re: -

Re: 80-161, Lincoln County

1. The description of the discharge (waste to be stored) should include specifics: constituents and concentrations.
2. The specific membrane material (and thickness) should be identified.
3. A discharging facility -- such as this one, according to design -- must be covered by an application for a discharge permit (NPDES). See items II A and D of the "Guidelines" (II A refers to 1. above).
4. Additional comments (yours).

Tony

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-162R

Leucite Hills Sedimentation Reservoir

(Name of Facility)

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

Prospect Point Coal Company

4704 Harlan Street

Denver, Colorado 80212

to construct, install, or modify a sedimentation reservoir

facility according to the procedures and conditions of the application

No. 80-162R. The facility is located in Sec. 33, T. 21N,

R. 101W

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.

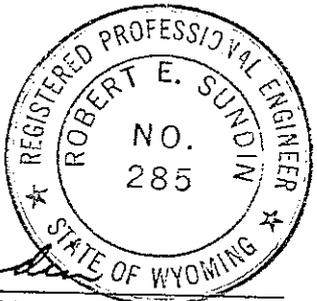
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


W.L. Garland

WILLIAM L. GARLAND
Administrator 1479
Water Quality Division
STATE OF WYOMING
September 12, 1985

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.

FL/kn



Department of Environmental Quality
Water Quality Division

210 Lincoln

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 30, 1981

Rocky Mt. Energy
10 Longs Peak Drive
Box 2000
Broomfield, CO 80020
ATT: Mr. Frederick N. Brovold, P.E.

RE: Leucite Hills Sedimentation
Reservoir, #80-162R

Dear Mr. Brovold:

Your letter to the State Engineer's Office has reached us. Changes in the structure of the dam need to be addressed by a Change Order in your DEQ/WQD permit Number 80-162R. Please submit four (4) copies of any revised drawings and specifications to our office here in Lander.

Please call if you have additional questions.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AJB:ch

cc: ✓ DEQ/WQD Cheyenne
DEQ/LQD Lander
File (5)

80-162



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

3144
TELEPHONE 307-332-3047

April 18, 1980

Rocky Mountain Energy Co.
4704 Harlan Street
Denver, CO 80212

RE: Review of Engineering Plans and Specifications for issuance of
a "Permit to Construct".

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

cc: Bill Garland, Administrator Water Quality Division



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Leucite Hills Sedimentation Reservoir

ENGINEER: Robert J. Coppin
Rocky Mountain Energy Co.
4704 Harlan Street
Denver, CO 80212

OWNER: Prospect Point Coal Company
4704 Harlan Street
Denver, CO 80212

WATER QUALITY DIVISION REFERENCE NUMBER: 80-162

REVIEWING ENGINEER: Darryl Alleman, P.E.

DATE OF REVIEW: June 26, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

With reference to your application to construct the Leucite Hills Sedimentation Reservoir, the following additional information is requested:

1. Please send a small map depicting the actual drainage area and major river drainage basin for the facility.
2. Will the chemical properties of the seepage water and local groundwater be altered significantly by the operation?
3. Please provide a brief description on the local hydrological conditions along with any expected impacts of the project on local surface water quality.
4. Please send an additional copy of the plans and specs. for permit to construct as we require three copies.

May 2, 1980

Robin -

Here are my comments on 80-162 (Prospect Point Coal Co. sedimentation pond), Sweetwater Co.

1. The drainage area should be shown someplace, in relationship to the proposed pond.

2. Are there any provisions for removing sediment from the pond periodically?

3. How will mine spoil piles "intercept" runoff. This may not be environmentally acceptable. Perhaps illustrations and explanation (more than what is given on p. 8 of the Addendum) is required.

4. Applicant needs an NPDES permit.

5. Does applicant propose to mix mine water and runoff water? (May not be advisable to do so.)

6. Seepage loss is high, if more than runoff goes to reservoir.

7. The last par. on p. 4 of Addendum needs clarification ("XS mine water will be discharged").

~~By~~ Sheridan has reviewed a lot of applications for permits for coal mine sedimentation ponds. Might be worth your time to call Tom Muller and discuss this.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-163RR

Brent (Gosar) Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

Gosar John
(Last) (First) (Middle)

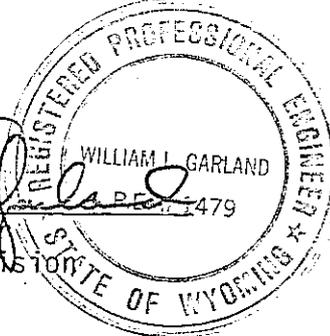
P. O. Box 775
(Street or P.O. Box)

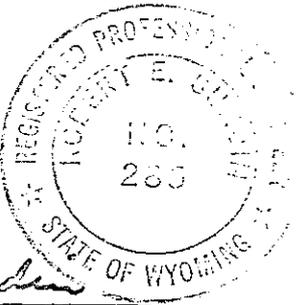
Rock Springs, WY 82901
(City) (County) (State)

to construct, install, or modify a municipal water distribution and wastewater collection facility
facility located in Section 3, T. 18N., R. 105W.
(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
Administrato
Water Quality Division


Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality


June 24, 1980
Date of Issuance

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

80-163



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3044 ³¹⁴⁴

April 18, 1980

Jack Hansen
P. O. Box 1813
Rock Springs, WY 82901

RE: Review of Engineering Plans and Specifications for issuance of
a "Permit to Construct".

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

cc: Bill Garland, Administrator Water Quality Division



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Gosar Mobile Home Park

ENGINEER: Jack E. Hansen
Indo-American Engineering
P.O. Box 1813
Rock Springs, WY 82901

OWNER: John J. Gosar
P.O. Box 775
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 80-163

REVIEWING ENGINEER: Jeff C. Hermansky

DATE OF REVIEW: June 4, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Need to have profiles of sewer mains showing locations of MH, slopes and inverts.
2. Number MH on plan sheet.
3. Sewer lines must be constructed with a straight alignment between MH. Line adjacent to Blair Town Road cannot follow the curve of the street.
4. Distance between MH must not exceed 400 feet. The line adjacent to Blair Town Road is 500 feet.
5. Why are you specifying asbestos-cement water lines? Wouldn't PVC be less expensive and easier to work with? If you use asbestos-cement pipe, we will need an analysis of the water to be carried and a chemical analysis of the soil the pipe will be located in.
6. Eliminate the blowoffs at the ends of the water lines and loop the lines to eliminate the dead ends.
7. Show on plans or describe typical water and sewer connections to the main lines.
8. Show plan view of typical service line and riser locations on the typical lot arrangement plan.
9. Must have a MH, not a cleanout on lot 72.

10. Why serve lot 95 with a 2 inch water line - a 3/4 inch service line would be adequate, although a 2 inch is certainly allowed.
11. Do you really want a 6 inch sewer line on Mae Street. All other lines appear to be 8 inch lines. Verify all sewer line sizes on the profile plans.
12. If there is a need for any blowoffs, why would you want the valve box to extend 24 inches above the ground surface?
13. Must specify type water service line and tap to main.
14. What is protective cap on the water riser?
15. A concrete block or brick is recommended under the water riser.
16. What will prevent freezing and breakage of water riser that is not in use, during the winter?
17. What type of cap will be used on the sewer riser?
18. Need disinfection standard to be given on drawing. Wyoming Public Works Standard Specifications lists a number of methods that can be used.
19. It must be stated on the plans that sewer line alignment and deflection tests will be required as well as the requirements of these tests.
20. Please supply me with a copy of the PP&L fire hydrant specification and Rock Springs MH specification cited on your plans.

Additional Comments (No Reply Necessary)

1. Why would an insulated box around a blow off riser be necessary? The stop and waste valve at the blowoff would insure that there is no water remaining in the riser to freeze.
2. Brass nipple between the valves and riser in the blowoff assembly should be galvanized steel for strength and economy.

JH/kn

PERMIT TO CONSTRUCT

17-10
6-10-80

- New
- Renewal
- Modified

Permit No. 80-164RRR

Gros Ventre North Subdivision Water Supply System
(Name of Facility)

This permit hereby authorizes the applicant:

Richard E. Shanor - Agent: John A. Proffit, P.E.
(Last) (First) (Middle)

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

Jackson Wyoming 83001
(City) (County) (State)

to construct, install, or modify a public water supply
facility located in Sec. 17, 18, 19 and 20; T. 41N; R. 116W
(Legal Description)

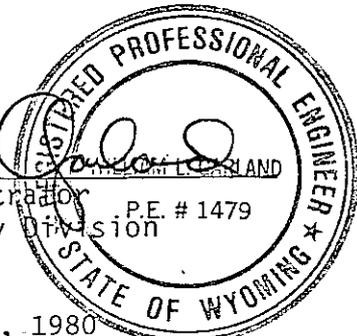
in the County of Teton, in the State of

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

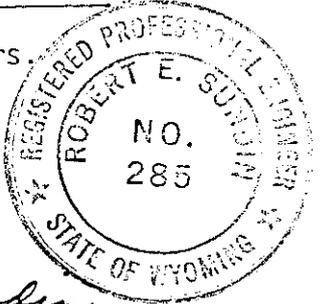
NOTE THE ATTACHED COMMENTS

AUTHORIZED BY:

William L. [Signature]
 Administrator
 Water Quality Division
 P.E. # 1479



Robert E. Sunda
 Director
 Wyoming Dept. of Environmental Quality



June 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."

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

PROJECT: Gros Ventre North Subdivision Public Water Supply System

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

OWNER: Richard E. Shanor
P.O. Box 567
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-164RRR

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

M. Robin Collins



DATE OF REVIEW: June 2, 1980

ACTION: ~~NOT~~ AUTHORIZED.

COMMENTS: The aforementioned project is authorized and permitted for construction. The following comments are offered as confirmation of action to be taken by the owner and engineer:

1. All lots in this proposed subdivision shall be provided with a minimum working water pressure of 20 psi, preferably 30 psi.
2. Before the well can be put into service, we must be provided chemical and bacteriological analyses from the well water.
3. The public water works must show an ability to consistently meet the bacteriological standards. If it cannot be met, chlorination equipment must be used to disinfect the water supply. The necessary taps, etc., should be installed in the initial construction in order to simplify connection with the chlorination unit.
4. All public water supplies must be maintained by a certified operator. Please provide a name and address of the proposed operator so that he can be provided with the necessary information for certification.

MRC/kn



Department of Environmental Quality

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 14, 1980

Uinta Engineering & Surveying, Inc.
808 Main Street - P. O. Box 746
Evanston, Wyoming 82930

Attn: Kenneth Walker, P. E.
Gene Smith, P. E.

RE: Gros Ventre North Subdivision's Public Water Supply (Water
Distribution line DEQ #80-164)

Gentlemen:

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

Basically, the layout and design of the submitted water distribution system is acceptable to this office. However, some areas of concern and clarification which still need to be addressed for the submitted water distribution line are as listed below:

- 1.) The screens for the air release valves should be specified as 16-mesh copper, brass or bronze screens.
- 2.) The specifications should include drawing No. 303-01 - Water Service Connection.
- 3.) Further information on the steel pipe welded joints and the protective coating should be given.
- 4.) Recommend the water mains be layed not less than 6 feet deep unless potential freezing problems can be reduced and/or eliminated.
- 5.) Recommend that consideration be given to studying the need for securing the water main when the grade exceeds 15% .

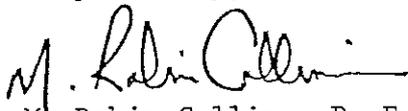
- 6.) A bend angle needs to be specified on sheet #4 near lot 41

Plans and specifications for the proposed water wells and storage tank should follow the guidelines as described in "Ten-States Standards". In particular, the following comments should be discussed in your projected submittance for these water system components:

- 1.) The design plans and specifications for the pump house, well and storage tank need to be submitted.
- 2.) A map showing the location of all existing and potential sources of pollution within 250 feet of the well must be submitted. There should be submitted also documentary evidence that the owner has a deed or perpetual easement for an area of at least 100 feet radius around it.
- 3.) Before the well can be put into service, we must be provided chemical and bacteriological analyses from the well water.
- 4.) The public water works must show an ability to consistently meet the bacteriological standards. If it cannot be met, chlorination equipment must be used to disinfect the water supply.
- 5.) All public water supplies must be maintained by a certified operator. Please provide a name and address of the proposed operator so that he can be provided with the necessary information for certification.
- 6.) It is recommended that careful evaluation of each individual wastewater disposal site be made in order to insure adequate separation distances from the water supply system. Consideration should be given to establishing a periodic inspection and maintenance program for these projected disposal systems.

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

Respectfully,



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

cc: Dan Cowee
DEQ/WQD, Cheyenne

15

PERMIT TO CONSTRUCT

Permit No. 80-165R

- New
 Renewal
 Modified

Sam's Drilling Company

(Name of Facility)

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

Sam W.R. Miller

P. O. Box 866

Mills, WY 82644

to construct, install, or modify a small subsurface waste-
water disposal

_____ facility according to the procedures and conditions of the application

No. 80-165R. The facility is located in Section 13,

T33N, R80W, Lot 10 B, Dempsey Subdivision

_____ 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.

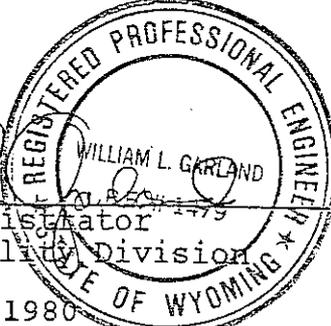
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

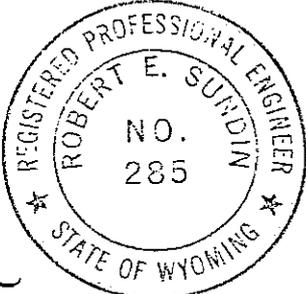
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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
OCT 10 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: Gray Wangelin
Engineering Inspection Testing Services
P. O. Box 4075
Casper, WY 82602

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

M
4-30-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-165

Sam's Drilling Company
(Name of Facility)

This permit hereby authorizes the applicant:

Miller, Sam W. R.
(Last) (First) (Middle)

P.O. Box 866
(Street or P.O. Box)

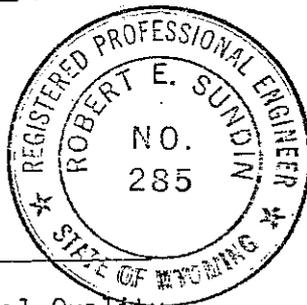
Mills, WY 82644
(City) (County) (State)

to construct, install, or modify a small subsurface wastewater disposal
facility located in Sec. 13, T33N, R80W, Lot 10B, Dempsey Subdivision
(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 # 1479
 Water Quality Division


Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality


April 24, 1980
Date of Issuance

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

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

PERMIT TO CONSTRUCT

New

Permit No. 80-166

Renewal

Modified

FORT UNION COAL MINE — CHANGE HOUSE
(Name of Facility)

This permit hereby authorizes the applicant:

Fort Union Coal Mine Att: Stuart R. Felde
(Last) (First) (Middle)

Box 2737
(Street or P.O. Box)

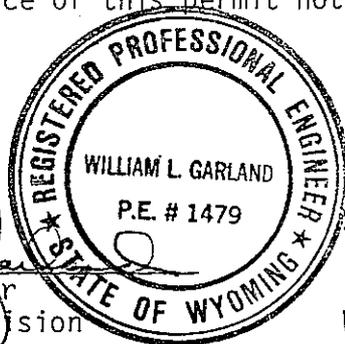
Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a subsurface disposal
facility located in Section 32, T.51N., R.71W.
(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. Sunders
Director
Wyoming Dept. of Environmental Quality



April 9, 1980
Date of Issuance

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

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

PERMIT TO CONSTRUCT

New

Permit No. 80-167

Renewal

Modified

Two Mobile Homes for Country Inn, Inc.
(Name of Facility)

This permit hereby authorizes the applicant:

Country Inn, Inc.
(Last) (First) (Middle)

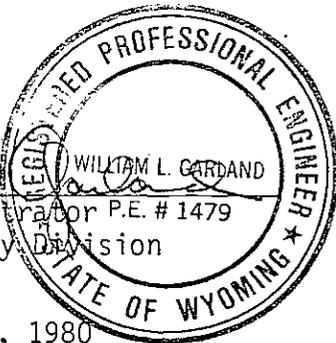
Box 43
(Street or P.O. Box)

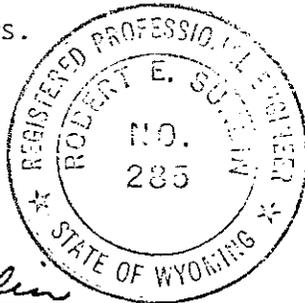
Douglas, WY 82633
(City) (County) (State)

to construct, install, or modify a small subsurface disposal
facility located in Sec. 23, T32N, R71W
(Legal Description)

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

AUTHORIZED BY:


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


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

April 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."

cc: Richard Zinn
Civil Engineering Consultants
Suite 628, Wyo. Bldg.
Casper, WY 82601

M
3/4/80

PERMIT TO CONSTRUCT

New Permit No. 80-168R
 Renewal
 Modified

North Platte Recreational Park - Phase I
(Name of Facility)

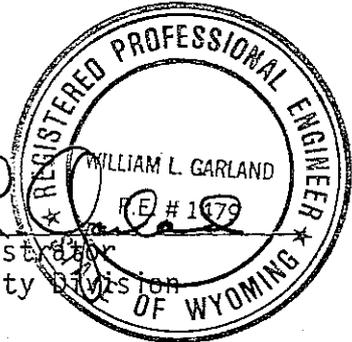
This permit hereby authorizes the applicant:

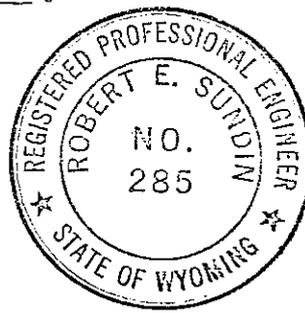
Casper Board of Public Utilities
(Last) (First) (Middle)
200 North David Street
(Street or P.O. Box)
Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a municipal water distribution
facility located in Sec. 4, T33N, R79W
(Legal Description)

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

May 9, 1980
Date of Issuance

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

PERMIT TO CONSTRUCT

M to S
5-14-80

- New
- Renewal
- Modified

Permit No. 80-169

MIDWEST WATER AND SEWER EXTENSIONS
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Midwest
(Last) (First) (Middle)

P.O. Box 190
(Street or P.O. Box)

Midwest Natrona Wyoming 82643
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection facility located in Sections 24 and 25, T.50N., R.79W.
(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

May 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."

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

xc: ARIX Engineers Mr. Nix Anderson
 625 East Madison County Sanitarian
 Riverton, WY 82501 1200 East 3rd Street
 Casper, WY 82601

CONDITIONS ATTACHED TO PERMIT TO CONSTRUCT
WYOMING REFINING COMPANY CONTAINMENT RESERVOIR
Reference No. 80-121R

- 1) A minimum of five (5) observation wells shall be installed. The wells shall be individually located, and completed to the appropriate depths, to monitor all formations and units of formation which can be contacted by the reservoir contents. Although five (5) wells are specified, additional wells may be necessary to comply with this condition.

Determination of the locations and depths of wells shall be made following the procedures outlined in the application. Geologic findings necessary for these determinations shall be made by experienced and qualified personnel who have inspected the construction.

A summary of the number, locations and depths of the observation wells, together with the basis for determining the same, shall be forwarded to the Water Quality Division as soon as practicable.

- 2) Monitoring of the observation wells shall commence before the reservoir is placed into service in order to obtain baseline data. Monitoring shall be done once every two (2) months for the first year of monitoring and once every six months thereafter.

Monitoring will consist of measuring water levels and sampling of each well. Samples shall be analyzed for pH, total alkalinity, sulfate, chloride, phenols and total dissolved solids. Analysis procedures shall conform to regulations published pursuant to Section 304(g) of the United States Clean Waters Act. A yearly summary of monitoring shall be forwarded to the Water Quality Division.

- 3) The permittee shall survey the area around the reservoir for wells. A written summary shall be prepared of all wells within one mile of the nearest reservoir, or if there is no well within one mile, for the well nearest the reservoir. The summary shall include, insofar as the information is available or can be obtained, the location, depth and existing water quality of each well noted. The summary shall be forwarded to the Water Quality Division as soon as practicable.

cc: Gray Wangelin
P.O. Box 4075
Casper, WY 82601

PERMIT TO CONSTRUCT

M
4-30-80

New

Renewal

Modified

Permit No. 80-170

Dan Rich Septic Tank System
(Name of Facility)

This permit hereby authorizes the applicant:

Rich, Dan
(Last) (First) (Middle)

58 Riverbend Road
(Street or P.O. Box)

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

to construct, install, or modify a small subsurface disposal
facility located in Sec. 3, T33N, R78W
(Legal Description)

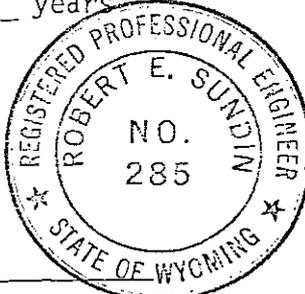
in the County of Natrona, in the State of

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 J. Garland
Administrator # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

April 24, 1980
Date of Issuance

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

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

M
4-30-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-171

Wyoming Roofing Service Septic Tank System
(Name of Facility)

This permit hereby authorizes the applicant:

Dilorio, John
(Last) (First) (Middle)

1505 Westridge Terrace
(Street or P.O. Box)

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

to construct, install, or modify a small subsurface disposal
facility located in Sec. 29, T34N, R79W
(Legal Description)

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality
STATE OF WYOMING



April 24, 1980
Date of Issuance

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

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

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

16-50

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-172RRR

DONKEY CREEK PUMP STATION SEPTIC SYSTEM

(Name of Facility)

This permit hereby authorizes the applicant:

<u>City of Gillette</u>	<u>Attn: Jeff Smith</u>
(Last)	(First) (Middle)

<u>P.O. Box 3003</u>
(Street or P.O. Box)

<u>Gillette</u>	<u>Campbell</u>	<u>Wyoming 82716</u>
(City)	(County)	(State)

to construct, install, or modify a septic wastewater system

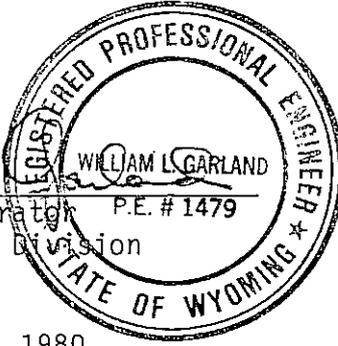
facility located in Section 26, T.50N., R.70W.
(Legal Description)

in the County of Campbell, in the State of

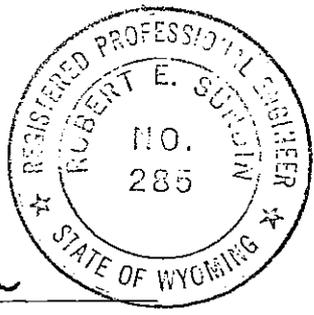
Wyoming. This permit shall be effective for a period of three (3) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

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



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



April 10, 1980
Date of Issuance

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

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

PERMIT TO CONSTRUCT

New

Permit No. 80-173RRR

Renewal

Modified

MADISON PUMP STATION SEPTIC SYSTEM

(Name of Facility)

This permit hereby authorizes the applicant:

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

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

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

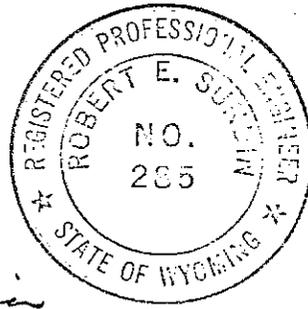
to construct, install, or modify a septic wastewater system

facility located in Section 6, T.51N., R.66W.
(Legal Description)

in the County of Crook, in the State of

Wyoming. This permit shall be effective for a period of three (3) years

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



AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

April 10, 1980
Date of Issuance

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

1/10/80
5-2-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-174R

Town of Hudson Sewer Improvements - Phase II
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Hudson
(Last) (First) (Middle)

P.O. Box 35
(Street or P.O. Box)

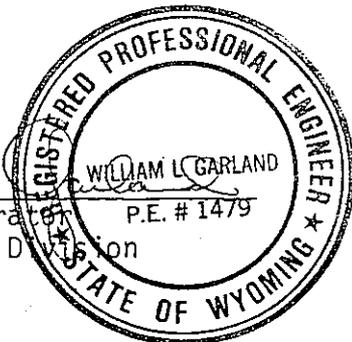
Hudson Wyoming 82515
(City) (County) (State)

to construct, install, or modify a Sewer Extensions and Improvements
facility located in Sec 12, T2S, R2E WRM and Sec. 21, T34N, R98W
(Legal Description)

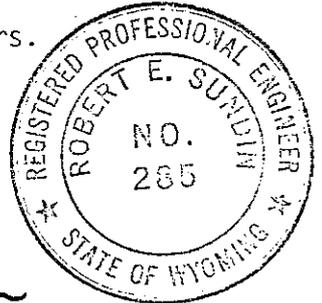
in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality



April 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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

(307) 332-3144

PROJECT: Sewer Improvements, Phase II - Hudson, Wyoming

ENGINEER: R.D. Connell & Associates
223 West Adams Avenue - P. O. Box 1010
Riverton, Wyoming 82501

OWNER: City of Hudson
City Hall
Hudson, Wyoming 82515

WATER QUALITY DIVISION REFERENCE NUMBER: 80-174

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



DATE OF REVIEW: April 15, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

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

- 1.) Recommend consideration be given to extending the lagoon inlet pipe to the southeastern corner of the cell in order to improve the facilities: hydraulic flow scheme and to minimize problems from short circuiting.
- 2.) What is the purpose of the ditch shown on sheets #6 and #7?
- 3.) For all "significant" ditch crossings, provisions for protecting the sewer pipe, the cover bedding and for minimizing problems associated with sediment erosion during construction should be adequately addressed in the specifications. In particular, the ditch crossings on sheet #10 and possibly #6 and #7 should be discussed in your reply. Possible methods of protecting sewers in stream crossings are described in "Ten States Standards".

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

cc: Barbara Scott
523 W. 27th Street
Cheyenne, WY 82001

M
5-5-80

PERMIT TO CONSTRUCT

New

Permit No. 80-176

Renewal

Modified

Fairway Commons Addition - Water & Sewer Line
(Name of Facility)

This permit hereby authorizes the applicant:

City of Cheyenne

(Last)

(First)

(Middle)

2101 O'Neil

(Street or P.O. Box)

Cheyenne,

(City)

(County)

WY 82001

(State)

to construct, install, or modify a municipal water distribution system & sewer collection system

facility located in Sec. 24, T14N, R67W

(Legal Description)

in the County of Laramie, in the State of

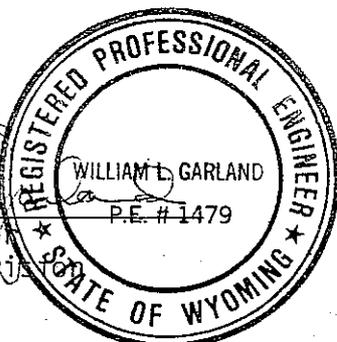
Wyoming. This permit shall be effective for a period of two (2) years

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

AUTHORIZED BY:

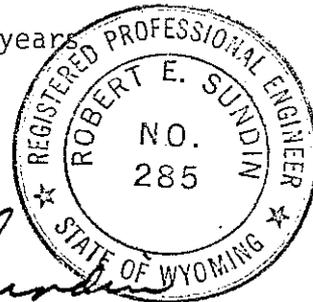
William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Wyoming Dept. of Environmental Quality



April 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."

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

M
4-30-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-177

Remanufacturing Services Inc. Sept Tank System
(Name of Facility)

This permit hereby authorizes the applicant:

Thomas, Bill
(Last) (First) (Middle)

P.O. Box 9010
(Street or P.O. Box)

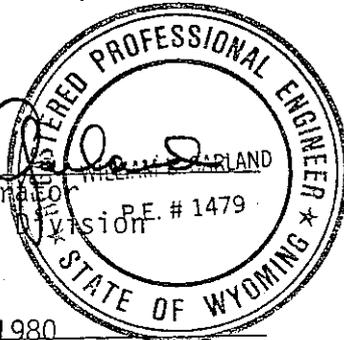
Casper, WY 82609
(City) (County) (State)

to construct, install, or modify a small subsurface disposal
facility located in Sec. 20, T34N, R79W
(Legal Description)

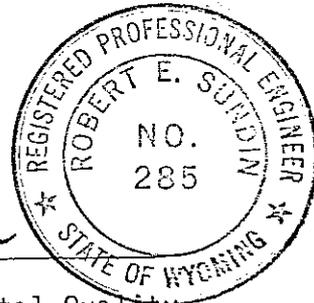
in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY: .

William L. [Signature]
Administrator
Water Quality Division P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



April 24, 1980
Date of Issuance

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

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

cc: John Dillion
Climate Control Inc.
758 S. Redwood
Salt Lake City, UT 84125

M
4-30-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-178

Overland Plaza
(Name of Facility)

This permit hereby authorizes the applicant:

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

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

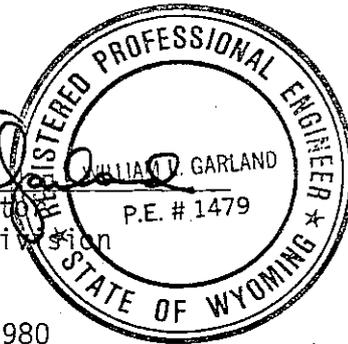
Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a municipal water distribution and wastewater collection
facility located in Sec. 4, T33N, R79W
(Legal Description)

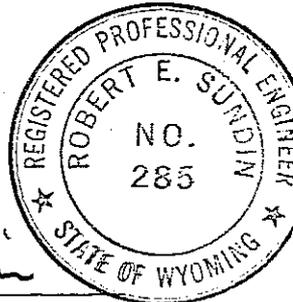
in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



April 24, 1980
Date of Issuance

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

cc: Russell L. Larson
1901 Energy Court, Suite 120
Gillette, Wyoming 82716

MAS
4-30-80

PERMIT TO CONSTRUCT

New Permit No. 80-179
 Renewal
 Modified

ANTELOPE VALLEY SUBDIVISION SEPTIC SYSTEMS
Lot 1, Block 6; Lot 2, Block 6; Lot 10, Block 7

(Name of Facility)

This permit hereby authorizes the applicant:

Heritage Homes

(Last) (First) (Middle)

P.O. Box 1504

(Street or P.O. Box)

Gillette Campbell Wyoming 82716

(City) (County) (State)

to construct, install, or modify three septic wastewater
facilities located in Section 24, 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
STATE OF WYOMING
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
PE # 1479

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

April 15, 1980
Date of Issuance

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

cc: George Dale Crank
P.O. Box 631
Kemmerer, WY 83101

M
5-15-80

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-180R
Ref. No. 79-387RR
EPA.C560115-02

Kemmerer & Diamondville Sanitary & Storm Sewer
(Name of Facility)

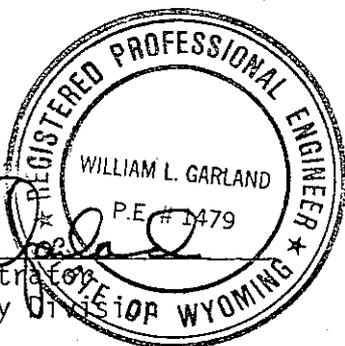
This permit hereby authorizes the applicant:

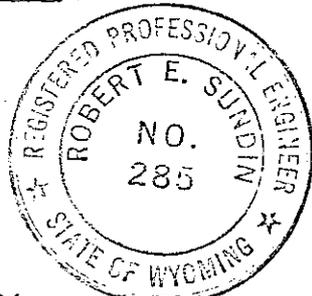
Town of Kemmerer
(Last) (First) (Middle)
700 Cedar Avenue
(Street or P.O. Box)
Kemmerer, WY 83101
(City) (County) (State)

to construct, install, or modify a sanitary and storm collection system
facility located in Sec. 13, T21N, R116W
(Legal Description)

in the County of Lincoln, 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

May 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

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 18, 1980

Mr. William Hornberg, P.E.
Director, Office of Grants
U. S. EPA, Region VIII
1860 Lincoln Street
Denver, CO 80295

RE: Kemmerer/Diamondville Sanitary and
Storm Sewer Improvements. Plans
and Specifications.
EPA Grant C560115-02

Dear Mr. Hornberg:

Enclosed herewith is a certification package for the above referenced plans and specifications. The plans and specifications have been reviewed for completeness, technical and administrative adequacy pursuant to review criteria presented in Appendix I of the State of Wyoming/EPA delegation agreement.

The enclosed certification package includes:

- 1) Certification form and checklists compiled by this office
- 2) Copy of the approval letter to the grantee
- 3) Determination of adequacy of bid advertising and contract documents
- 4) DEQ Permit to Construct

This office is also transmitting, with this package, one set of plans and specifications.

Yours truly,

Kenneth Kulas
CMAG Planner

KK/md
Enclosures
cc: Kemmerer/Diamondville grant file



Department of Environmental Quality 80-223

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-~~2017~~³¹⁴⁴

June 12, 1980

Mr. Glenn Goss, Mine Manager
Bridger Coal Company
P. O. Box 2068
Rock Springs, WY 82901

RE: Approval for irrigation of range land using cooling water -
Jim Bridger Power Plant

Dear Sir:

After reviewing the aforementioned application and after discussions with James A. Kandolin (NERCO), Land Quality and Water Quality Division staff, approval is given to irrigate range land with cooling water generated from the Jim Bridger Steam Electric Generating Station.. A "Permit to Construct" will not be issued since this system is already in operation.

This approval is based on the following listed conditions:

1. That an appropriate area out of the proposed irrigation site will be set aside for experimental purposes in order to determine optimum dosage rates, application methods, etc.
2. That a chemical analysis of the cooling water will be made at least once each irrigation season. Such analysis should be sent to this office and should include all the heavy metals plus magnesium, calcium, sodium, pH, sulfates, chlorides, TDS and conductivity.
3. That a complete soil analysis on the affective irrigated area be performed at least once immediately after each irrigation season and forwarded to this office. Also, a soil analysis on the virgin irrigation land should be submitted to this office which will be used as baseline data.

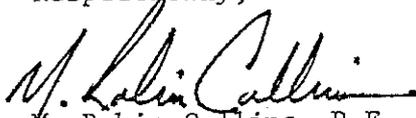
Mr. Glenn Goss, Mine Manager
Bridger Coal Company
June 12, 1980
PAGE 2

4. That the agreements reached during a meeting between James A. Kandolin, Don Hartley (NERCO), and Jake Strohman, DEQ/WQD, on June 4, 1980, and as outlined in Kandolin's letter to this office dated June 6, 1980, concerning Bridger Coal's sediment control plan and pit dewatering system will be honored.

If conditions develop which will prevent compliance with the above conditions, please contact this office so that a more suitable arrangement can be made.

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

Respectfully,



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

MRC/dl

cc: James A. Kandolin, NERCO
Don Hartley, NERCO
Mark Moxley, Lander DEQ/LQD
Jake Strohman, Cheyenne DEQ/WQD

80-180



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3047 ³¹⁴⁴

April 18, 1980

Johnson-Fermelia & Crank
P. O. Box 631
Kemmerer, WY 83101

RE: Review of Engineering Plans and Specifications for issuance of
a "Permit to Construct".

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

✓cc: Bill Garland, Administrator Water Quality Division



86-180



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 2, 1980

Mr. Dan Dean
Johnson, Fermelia & Crank, Inc.
P.O. Box 631
Kemmerer, WY 83101

3

Subject: Kemmerer/Diamondville Sanitary and Storm Sewer Plans
and Specifications

Dear Mr. Dean:

This office has reviewed the subject Plans and Specifications and makes the following comments and/or questions:

Plans Sheet #

- 23 This office is concerned that the foundation for pier #2 is too close to the river bank. The drawing indicates that the river is eroding the bank on this side of the stream. Bank should be ripraped.
- 23 Pipe should be above the 50 year flood elevation.
- 27 Is the emergency overflow at 6870 or 6869, plans and specifications do not agree.
- 27 Provide forced air ventillation for working in wet well, may be a portable unit.
- 31 Valves on discharge line are located in very ackward location for operation, provide cast in place steps in wet well wall to reach valves.
- 31 Provide forced air ventillation in wet well.
- 31 Additional filets in wet well would reduce solids accumulations.
- 31 Is emergency overflow provided in wetwell? If no overflow is provided or wet well has less than 24 hours storage capacity a telemetered alarm should be provided.

Mr. Dan Dean
May 2, 1980
Page 3

- 31 No electrical details are provided to the Willow Addition pump station.
- 31 Provide detail of final forcemain hookup, with piping schedule, to be done by City.
- 31 Provide lifting apparatus to remove pumps from the wet well, permanent boom crane or portable A frame with adequate chain hoist.
- 31 Clean out manholes.
 - a) Is there sufficient room to work rodder or jet flusher hose into the cleanout when set on the level?
 - b) This office recommends but will not require than an isolation valve be placed in each cleanout manhole to eliminate draining all the upstream forcemain to cleanout a lower section.

Specification

Page

- 3-2 Air relief valves should be provided on forcemain.
- 3-1 Forcemain PVC specification should be AWWA C900 not ASTM-D-3034-74, also, specify pressure Class.
- 3-6 Pump discharge outlet size should be specified.
- 3-6 Raw Sewage Pumps, Willow Addition specify maximum solids size that pump will pass.
- 3-3 All manholes shall be water proofed.
- 3-5 Maximum deflection allowed by Ten States Standards is 5%.
- 16-1 Provide an alarm function for pump failure and connect to new STP alarm system.

General

No specifications are provided for ventilation fans and motors.

Provide specification for portable pump for dewatering forcemain clean-out manholes.

Mr. Dan Dean
May 2, 1980
Page 3

Provide specification for portable blower for ventilating cleanout man-holes and Diamondville lift station wet well.

Please furnish this office with a copy of TDH computations for sizing pumps in the lift stations.

This office is concerned that $3\frac{1}{2}$ feet of cover over the forcemain is not sufficient to prevent freezing, see sheet 17 of plans.

This office is concerned that the flow volume through the 6" forcemain at pumpage of 100gpm is not sufficient to provide a minimum velocity of 2.0fps. Ideally the velocity should be 3.5fps to provide scouring for solids that settle during no flow periods. If pumpage rate is going to be as low as 100gpm consideration should be given to providing larger pumps.

If your office has any questions regarding these comments contact the undersigned.

A plan of operation for the Diamondville lift station should be submitted with the final plans and specification. Also, for your information, an O & M manual is required for the lift station.

Sincerely,



Kenneth Kulas
CMAG Planner
Water Quality Division

KK/mb

cc: Grant File

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-181R

Southeast Forty Town Houses at Rafter J Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

William Currie Construction Co.
(Last) (First) (Middle)

Star Route Box 20
(Street or P.O. Box)

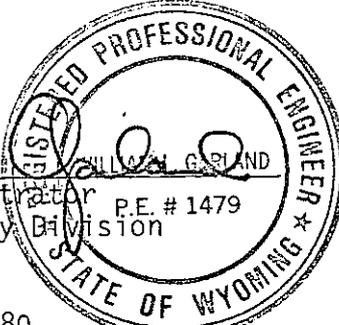
Jackson WY 83001
(City) (County) (State)

to construct, install, or modify a water and sewer line extensions
facility located in Section 17, T. 40N., R. 116W.
(Legal Description)

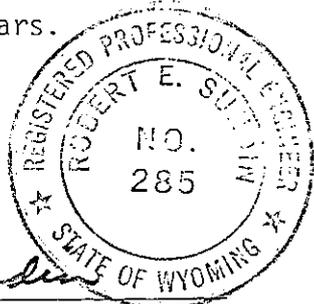
in the County of Teton, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

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



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



May 19, 1980
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

(307) 332-3144



PROJECT: Southeast Forty Townhouses at Rafter J. Subdivision

ENGINEER: Ross Bente
Bruce Hawtin Architects
P.O. Box 1682
Jackson, WY 83001

OWNER:

WATER QUALITY DIVISION REFERENCE NUMBER: 80-181

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

A handwritten signature in black ink, appearing to read 'M. Robin Collins'. The signature is written in a cursive style and is positioned to the right of the printed name 'M. Robin Collins, P.E.'.

DATE OF REVIEW: April 24, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: After reviewing the aforementioned project, I would like to offer the following comments for your consideration in processing the necessary permit.

1. The enclosed application form for a "Permit to Construct" must be properly filled out, signed and returned to this office before this review can be completed.
2. The sewer cleanouts should be replaced by manholes with maximum separation distances of 400 feet.
3. Profiles of the proposed sewer extension with the appropriate grades and lengths need to be shown.
4. The location of the proposed water line along with the appropriate valves, fire hydrants, etc., also need to be shown. Special attention should be given to all sewer crossings.
5. Complete specifications for both sewer and water lines need to be submitted. References to the Wyoming Public Works Specifications are acceptable. Adequate disinfection procedures for the water line should be given.
6. Three complete sets of plans and specifications should be submitted for approval.

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

cc: Dan Cowee, Teton County Planner

M to J
5.20.80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-182

Madison Junction Domestic Water System Improvements
(Name of Facility)

This permit hereby authorizes the applicant:

Yellowstone National Park - Superintendent
(Last) (First) (Middle)

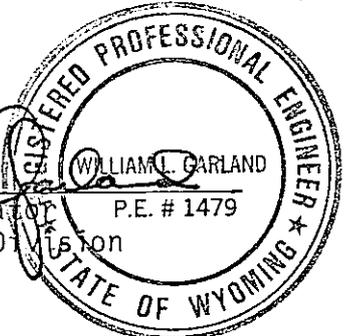
(Street or P.O. Box)

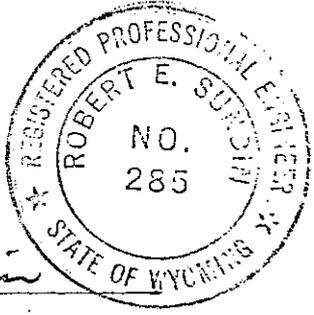
Yellowstone National Park, Wyoming 82190
(City) (County) (State)

to construct, install, or modify ~~XX~~ spring collection system, pump station, storage tank,
control system and distribution system improvements
~~XXXXXXXXXX~~ located in 110° 52'W 44° 39'N
(Legal Description)

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

AUTHORIZED BY:

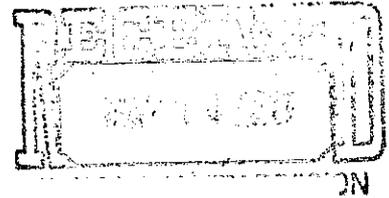
William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


May 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."

MEMORANDUM



TO: Plans - Kirby Water System As-Built 80-183
FROM: Jeff Hermansky *JHB*
SUBJECT: Final Acceptance of As-Built
DATED: May 7, 1987

The Town of Kirby was required by an Order in a February 11, 1980 NOV to provide as-built plans and specifications of the well, valve vault, chlorination/control building, and pipeline that was constructed in the fall of 1979 without a permit. The as-built plans were reviewed by this office on May 20, 1980 and a few minor comments were made. A final inspection of the construction was required before approval of the as-built construction could be granted.

The as-built construction was apparently never inspected by this office. A few years later, Kirby connected to the Thermopolis water supply system and stopped using the new well as a regular water supply. However, the new well is still connected to Kirby's water distribution system.

On January 30, 1986, I inspected the as-built construction. The system appeared to have been properly constructed and was as shown on the as-built plans. The chlorination tank and feed pump shown had not been installed although room for its installation is available.

The well water does not meet all the EPA primary drinking water standards and should not be normally used for domestic purposes. The maximum fluoride level averaged 6.4 for sixteen tests as reported by the EPA in 1981. I feel however, that the well and piping system should remain operational and connected to the Town to provide temporary back-up water providing that the well remain in service only until the Thermopolis supply is restored. If water supplied by Thermopolis is interrupted for any length of time, Kirby would be without water unless the backup well is put into service.

The bottom line is, the water system shown in as-builts 80-183 is authorized. However, it should be for emergency use only.

JH/jw
cc: File (2)



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-~~3007~~³¹⁴⁴

May 20, 1980

Town of Kirby
Mayor Gary D. Harding
P.O. Box 45
Kirby, WY 82430

Re: Kirby's Notice of Violation for Public
Water Supply System
DEQ #80-183

Dear Sir:

The engineer's report and recommendations for the town's water supply system and your recent letter indicating an August 15, 1980 completion deadline are acceptable to this office and thus can be considered as satisfying the basic requirements of the Notice of Violation's order.

The following comments are given as additional requirements to the completion program outlined by the engineer as well as to offer recommendations to assist in the overall operation and maintenance of this public water supply system:

1. A floor drain should be provided for the proposed chlorination building.
2. A well casing vent needs to be provided. The vent shall terminate in a downturned position, at or above the top of the casing or pitless unit in a minimum 1½-inch diameter opening covered with a 16-mesh brass, bronze or copper screen.
3. The public water works must show an ability to consistently meet the bacteriological standards. If it cannot be met, chlorination equipment must be used to disinfect the water supply. Enough chlorine needs to be added such that a chlorine residual of at least 0.2 mg/l (milligrams per liter) should be maintained at the far ends of the distribution system. A chlorine residual test kit should be purchased and made available to the water superintendent in order to assist in this operation.

May 20, 1980

4. All new potable water lines in the waterworks system should be thoroughly flushed and disinfected before they are put into use. Water containing at least 50 mg/l of chlorine should be allowed to stand in the line for eight hours, after which there should be at least 10 mg/l residual chlorine remaining. After flushing, the lines will be ready for use for potable water supply purposes.

Following are the amounts of either a 10 percent sodium hypochlorite solution or 70 percent high test hypochlorite powder required per 100 feet of water line for a 50 mg/l chlorine content:

<u>Pipe Size</u>	<u>Ounces 10% Solution</u>	<u>Ounces 70% Compound</u>
2 inches	1.8	0.25
3 inches	3.5	0.50
4 inches	5.25	0.75
6 inches	10.50	1.50
8 inches	17.50	2.50

Final approval for this public water supply will be given after a compliance inspection has been conducted by a representative from this office after the August 15, 1980 completion date.

We appreciate your desire in producing a potable water supply and believe these improvements will assist you toward this goal. We trust that additional improvements to this system will be pursued through the proper channels.

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

Respectfully,



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

MRC/kn

cc: John L. Wendleton, P.E.
EPA - Denver
Bill George, District Sanitarian
Bill Garland, DEQ/WQD Administrator ✓

80-184



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3077 ³¹⁴⁴

April 18, 1980

Dale Peterson
100 8th Street, Suite #4
Evanston, WY 82930

RE: Review of Engineering Plans and Specifications for issuance of
a "Permit to Construct".

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

cc: Bill Garland, Administrator Water Quality Division



PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-184R

Mountain View Park Two, Second Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Mountain View Development
(Last) (First) (Middle)

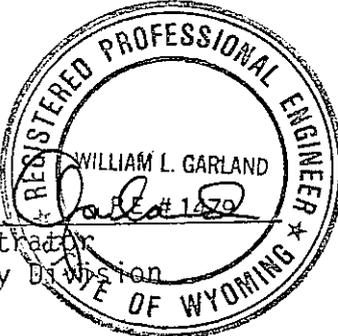
P.O. Box 370
(Street or P.O. Box)

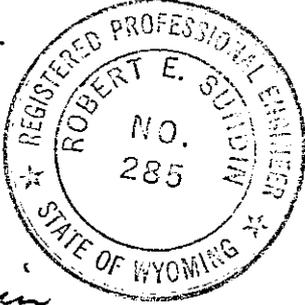
Mountain View Wyoming 82939
(City) (County) (State)

to construct, install, or modify water main and sewer line extensions
~~facility~~ located in Sec. 13, T. 15N, R. 115W
(Legal Description)

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


May 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."

Mto
5-21-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-185R

Sunset Drive, Water Line Extension - Riverton
(Name of Facility)

This permit hereby authorizes the applicant:

City of Riverton - Agent: Elmo Peterson, P.E.

(Last) (First) (Middle)

City Hall
316 E. Washington

(Street or P.O. Box)

Riverton

Wyoming

82501

(City)

(County)

(State)

to construct, install, or modify a Water Line Extension

~~facility~~ located in Sec. 26, T. 1N, R. 4E
(Legal Description)

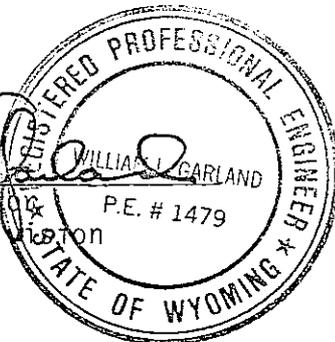
in the County of Fremont, in the State of

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

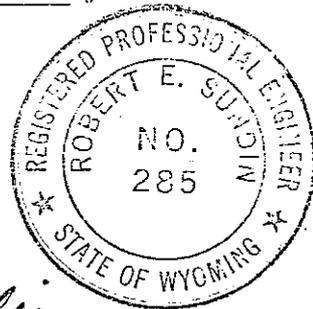
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



May 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: Water Line Extension - Sunset Drive, Riverton

ENGINEER: Wind River Engineers Attention: Elmo G. Peterson, P.E.
2333 Rose Lane
Riverton, Wyoming 82501

OWNER: City of Riverton
City Hall - 316 East Washington
Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 80-185

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

A handwritten signature in black ink that reads "M. Robin Collins". The signature is written in a cursive style and is positioned to the right of the printed name.

DATE OF REVIEW: April 21, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: After reviewing the aforementioned project, I would like to offer the following comments for your consideration in processing the necessary permit.

1. More gravel should be placed at the base of the fire hydrant.
2. Better clarification on the submitted plan sheet:
 - a. Length of D.I.P.
 - b. Locations of exactly what's what.
3. Irrigation pipes will be treated as sewer lines, therefore the same horizontal and vertical separation distances are needed. Should show the actual vertical separation distances for these aforementioned crossings.
4. Why specify PVC pipe if it will not be used?

ATX
5-21-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-186R

Pavillion Water System Improvements
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Pavillion - Agent: Elmo Peterson, P.E.
(Last) (First) (Middle)

c/o Mayor Cliff Stickney
(Street or P.O. Box)

Pavillion Wyoming 82523
(City) (County) (State)

to construct, install, or modify a Water Line, Booster Station and Storage Tank
~~facility~~ located in Sec. 7, T. 3N, R. 1E
(Legal Description)

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

NOTE THE ATTACHED COMMENTS

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
1479

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

May 16, 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: Pavillion Water System Improvements

ENGINEER: Wind River Engineers Attention: Elmo G. Peterson, P.E.
2333 Rose Lane
Riverton, WY 82501

OWNER: Town of Pavillion
c/o Mayor Cliff Stickney
Pavillion, WY 82523

WATER QUALITY DIVISION REFERENCE NUMBER: 80-186R

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

DATE OF REVIEW: May 16, 1980

ACTION: ~~NOT~~ AUTHORIZED.

COMMENTS: The aforementioned project is authorized and permitted for construction.
The following comment is given as confirmation of action to be taken by the
engineer:

A chlorine feed tap needs to be installed at the booster station for
possible use in the future.

MRC/kn

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Pavillion's Water System Improvements

ENGINEER: Wind River Engineers Attention: Elmo G. Peterson, P.E.
 2333 Rose Lane
 Riverton, Wyoming 82501

OWNER: Town of Pavillion
 c/o Mayor Cliff Sackney
 Pavillion, Wyoming 82523

WATER QUALITY DIVISION REFERENCE NUMBER: 80-186

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

DATE OF REVIEW: April 17, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: After reviewing the aforementioned project, I would like to offer the following comments for your consideration in processing the necessary permit. I feel that some of these comments should be discussed during a future conference.

1. Further information on the support (i.e. vertical anchor blocks, bolts, etc.) of the water transmission line, if needed, below the new storage tank should be shown.
2. Sheet #2 - Is there an 18-inch or 12-inch irrigation pipe at Station 19+58?
3. Further information on the profile of the 4-inch PVC water transmission line connecting the two water wells to the existing storage tank is needed. Are any air release valves needed?
4. Recommend valves be installed along the transmission lines at not more than 800 feet interval in order to prevent and/or reduce inconveniences and sanitary hazards. In particular, consideration should be given to installing valves at the intersection of Main and Forest Streets and along transmission line from wells to new storage tank.
5. The new storage tank must also have provisions for isolation. A valve is needed to isolate the tank.
6. On sheet #2, what is at Station 5+31?

7. Will any new fire hydrants be constructed during this project? If so, further information on their locations need to be shown.
 8. Recommend more gravel be placed at the base of the fire hydrants than what was shown on the standard specification drawing.
 9. Section 15500-Chlorination: Will any chlorination equipment be installed? If so, plan and elevation views of the same need to be submitted. A specification on a self contained breathing apparatus and its location should also be shown. What is well #8?
 10. Shop drawings for the new storage tank should be submitted to this office when they become available.
 11. Further information on the locations of the vent and overflow for the water storage tank need to be shown. How will overflow from the tank be handled? Recommend the vent screen be a 16 mesh copper, brass or bronze screen.
 12. What type of ground contours are around the new storage tank?
 13. Should a fence be built around the storage tank in order to prevent unauthorized entrance?
 14. The pump house should have the floor elevation at least 6 inches above the finished grade.
 15. Will a heating system be required in the pump house?
 16. Recommend a pressure gauge be installed on the discharge line from the booster pump.
 17. Should indicate where an extra booster pump can be readily obtained if problems develop with the original.
 18. Recommend a standard specification on water and sewer lines separation be given.
- If further information is required, please do not hesitate to advise.

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

MS
5-2-80

PERMIT TO CONSTRUCT

New

Permit No. 80-187

Renewal

Modified

U.S. Welding Supply, Inc.

(Name of Facility)

This permit hereby authorizes the applicant:

U.S. Welding Supply, Inc.

(Last)

(First)

(Middle)

Hwy. 14-16 N.

Rawhide Route

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

WY 82716

(State)

to construct, install, or modify a sanitary sewage - subsurface disposal

facility located in Section 9, T.50N., R.72W.

(Legal Description)

in the County of Campbell, in the State of

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

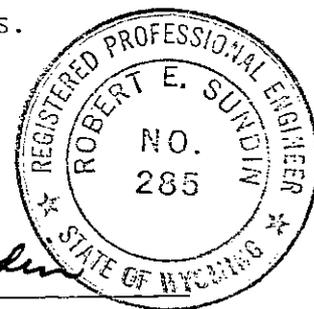
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality



April 29, 1980

Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 80-188RR

Renewal

Modified

COAL CREEK MINE SEWAGE TREATMENT SYSTEM

(Name of Facility)

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

Atlantic Richfield Company c/o Virgil Anderson

P.O. Box 5300

Denver, Colorado 80217

to construct, install, or modify a sewage treatment

facility according to the procedures and conditions of the application

No. 80-188RR. The facility is located in Section 17,

T.46N., 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 L. GARLAND
P.E. # 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division

February 26, 1981
Date of Issuance



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.

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Sewage Treatment System - ARCO Coal Creek Mine
(sewage collection, lift stations and aerated lagoon)

ARCHITECT OR ENGINEER: Mr. B. Costello, III
Manager, Permits and Compliance
Atlantic Richfield Company
Box 5300
Denver, Colorado 80217

WATER QUALITY DIVISION REFERENCE NUMBER: 80-188R

REVIEWING ENGINEER: *DKim*
Dan H. Kim, Jake Strohmman, P.E.

DATE OF REVIEW: September 12, 1980

ACTION: Not Authorized for Construction

COMMENTS:

1. Since both ponds are to be aerated, in which the pond contents are in suspension, we are concerned that proposed system may not be able to meet the suspended solids limitation satisfactorily unless it is provided with an adequate provision for reduction of suspended solids (mostly algae) before it discharges.

How will the SS reduction be achieved before discharge occurs? Will a quiescent settling area be provided in the discharge structure? Although design information indicates the possibility of using (rock or sand) filter for this purpose, detailed discussion was not provided. Please address.

2. You indicated in the submittal of July 1980, "A flow measuring device will not be installed, nor is it required for a small system as this." It should be pointed out that NPDES permit requires a flow measuring device with a $\pm 10\%$ accuracy be provided for all discharging facilities. Also, it is impossible to control the aerated lagoon operation and performance without knowing the accurate flow figure.

cc: Chase Caldwell

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Sewage Treatment System — ARCO Coal Creek Mine
(sewage collection, lift stations and aerated lagoon)

ARCHITECT OR ENGINEER: Atlantic Richfield Company
P.O. Box 5300
Denver, Colorado 80217
Attention: Akira Suwabe

WATER QUALITY DIVISION REFERENCE NUMBER: 80-188

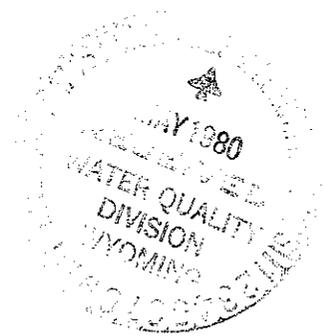
REVIEWING ENGINEER: Dan H. Kim, Jake Strohman, P.E.

DATE OF REVIEW: May 20, 1980

ACTION: Not Authorized for Construction

COMMENTS:

1. Detailed design calculations are required for the proposed sewage treatment ponds and related facilities. These calculations should include the following, but not be necessarily limited to:
 - A. Aerated pond design
 - organic and hydraulic loading rate at design flow.
 - seasonal performance efficiency
 - detention time - any constant values that are used in the design, etc.
 - B. Blower design
 - blower capacity - air and mixing requirements
 - manufacturer's specifications of the blower
 - details of "Kenics aerators", etc.
 - C. Design of the lift stations
 - pump design and manufacturer's information
 - wet well design, retention time, etc.
 - D. Chlorine contact chamber design
 - E. Complete specifications of excavation, compaction, dike construction, clay liner application, sewer line installation, bedding and backfilling materials, water/sewer crossing, pipe testing, concrete, etc.
2. Aerated Ponds
 - A. Plan of operation is needed, including mode of pond operation, blower operation, chlorinator operation, sampling points, maintenance details, discharge control, etc.
 - B. Where is a flow measuring device to be installed? Also show the details of the flow measuring device.



- C. Profiles of major sewage collectors to the pond are needed.
3. Lift Station
- A. Is an emergency power available during power outages?
 - B. Please show where the alarm system is to be located. Is it to be telemetered to the operator's office?
 - C. All electrical systems and components in the lift station shall be explosion proof, complying with NEC Requirements for Class I, Division I locations.
 - D. Is the pump easily removable for servicing without dewatering the wet well?
4. This review cannot be considered final due to the number of items unaddressed by the application.

xc: Chase Caldwell
ARCO Coal Company

MAY 5 2 1980

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-189

Hegel Small Wastewater Disposal System (Two Trailers)
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Hegel</u>	<u>Gerhard</u>	
(Last)	(First)	(Middle)

<u>P.O. Box 684</u>	
	(Street or P.O. Box)

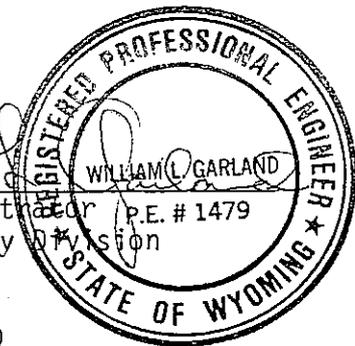
<u>Lyman</u>	<u>Wyoming</u>	<u>82937</u>
(City)	(County)	(State)

to construct, install, or modify a Septic Tank/Leach Field
 facility located in Sec. 29, T. 16N, R. 114W (NW $\frac{1}{4}$, SW $\frac{1}{4}$, Lot #4, Block #3 - Brintom
 (Legal Description) Addition)

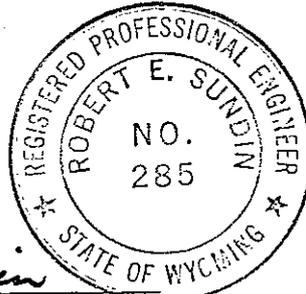
in the County of Uinta, in the State of
 Wyoming. This permit shall be effective for a period of 2 years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

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



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



April 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."

5 30 80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-190

Hillside Heights Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Tenneco Oil Company
(Last) (First) (Middle)

12 Mansface Plaza
(Street or P.O. Box)

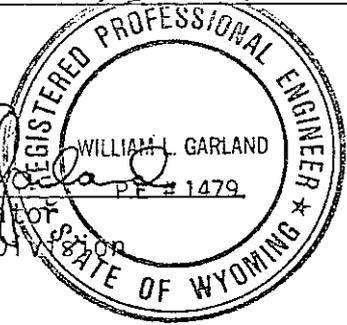
Green River Wyoming 82935
(City) (County) (State)

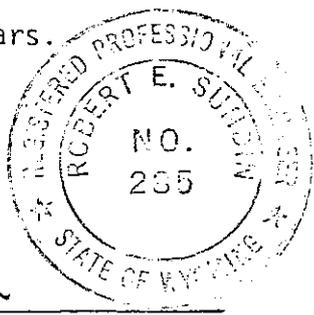
to construct, install, or modify water main and sewer line extensions
facility located in SW $\frac{1}{4}$, Sec. 26, T. 18N, R. 105W
(Legal Description)

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

NOTE THE ATTACHED COMMENT

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


May 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."

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

PROJECT: Hillside Heights Subdivision - Water and Sewer Extensions

ENGINEER: Bush and Gudgeon Attention: Leon Kjellgren, P.E.
 P.O. Box 1144
 Rock Springs, WY 82901

OWNER: Tenneco Oil Company
 12 Mansface Plaza
 Green River, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 80-190

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

DATE OF REVIEW: May 28, 1980

ACTION: ~~NOT~~ AUTHORIZED.

COMMENTS: The aforementioned is authorized and permitted for construction. The following comment is given as confirmation of action to be taken by the engineer:

Satisfactory bacteriological water samples should be performed on the water mains after final flushing before they are put into service.

MRC/kn



80-190

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3047 ³¹⁴⁴

April 25, 1980

Leon R. Kjellgren
P.O. Box 1144
Rock Springs, WY 82901



RE: Review of Engineering Plans and Specifications for issuance of a "Permit to Construct". Hillside Heights Subdivision

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

cc: Bill Garland, Administrator Water Quality Division

M702
5-21-80

PERMIT TO CONSTRUCT

New

Permit No. 80-191R

Renewal

Modified

Ranch Creek Subdivision (Rafter J Extensions for both Water Supply and
(Name of Facility) Wastewater Disposal)

This permit hereby authorizes the applicant:

Spaces and Places - Agent: Robert Corbett

(Last)

(First)

(Middle)

P.O. Box 1009

(Street or P.O. Box)

Jackson

Wyoming

83001

(City)

(County)

(State)

to construct, install, or modify & Water and Sewer Line Extensions

~~facility~~ located in Sec. 17, T. 40N, R. 116W

(Legal Description)

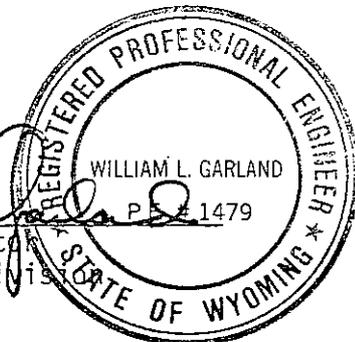
in the County of Teton, in the State of

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

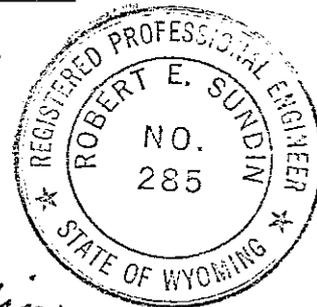
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrative
Water Quality Division
P.E. 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



May 16, 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: Ranch Creek Subdivision (Rafter J Extensions for both Water Supply and Wastewater Disposal)

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

OWNER: Spaces and Places Attention: Bob Corbett
P.O. Box 1009
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-191

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



DATE OF REVIEW: April 28, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: After reviewing the aforementioned project, I would like to offer the following comments for your consideration in processing the necessary permit.

1. Plans and specifications submitted to this office must be stamped by a licensed professional engineer.
2. Profiles of the proposed sewer extension with the appropriate grades and lengths need to be shown. Special attention should be given to all water crossings in order to insure adequate separation distances.
3. For ease of review, suggest a plan view of the proposed extensions be submitted without contour lines, power lines, etc. Also, the jointing of all three-inch service lines to four-inch sewer lines should be clearly shown.

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

MRC/kn

cc: Dan Cowee, Teton County Planning Service

M. Robin Collings, P.E.
Wyoming Dept. of Environmental Quality
Water Quality Division
933 Main Street
Lander, Wyoming 82520

Ref. No. 80-191



HOUSING, NEIGHBORHOOD, AND COMMUNITY DEVELOPMENT



Dear Mr. Collins:

Please be advised that our project entitled Ranch Creek Subdivision at the Rafter J Ranch in Teton County has been discontinued. We appreciate your efforts on the review of this project but have no further interest in continuing the process to obtain a permit.

Sincerely,

Robert W. Corbett

November 20, 1980

PERMIT TO CONSTRUCT

New

Permit No. 80-192R

Renewal

Modified

Parkhill Village

(Name of Facility)

This permit hereby authorizes the applicant:

Amwest Development

(Last)

(First)

(Middle)

P. O. Box 1517

(Street or P.O. Box)

Ogden
(City)

Utah
(County)

84401
(State)

to construct, install, or modify a wastewater collection & municipal distribution system

facility located in Section 34, T. 19N., R. 105W.

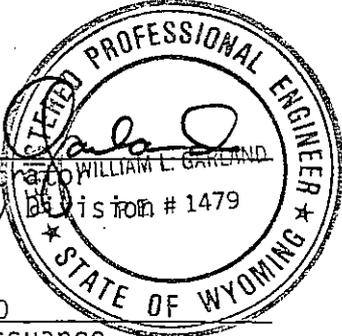
(Legal Description)

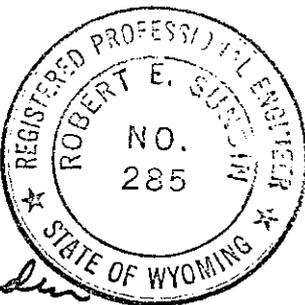
in the County of Sweetwater, in the State of

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 # 1479


Robert E. Sunder
Director
Wyoming Dept. of Environmental Quality


June 24, 1980
Date of Issuance

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



80-192

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-~~3044~~ 3144

April 25, 1980

Leon R. Kjellgren
P.O. Box 1144
Rock Springs, WY 82901



RE: Review of Engineering Plans and Specifications for issuance of a "Permit to Construct". Parkhill Village, Phase I

Dear Sir:

This office has recently received engineering plans and specifications for a project located in the Southwest District. Since we currently do not have any engineering positions filled for this region, this letter is to request your patience in waiting to receive our departmental reply for your submittal.

Because of the limited staff in the Lander office and until we are able to hire new employees, I will try to review your projects as soon as time permits. Hopefully, this undesirable arrangement will be for only a short period of time.

Again, your cooperation and understanding in this matter will be greatly appreciated.

Respectfully,

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

cc: Bill Garland, Administrator Water Quality Division

cc: Frank Sielbach, Jr.
CSSA/Wyoming
1780 Westland Rd.
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

M
4-30-80

New

Permit No. 80-193

Renewal

Modified

N.W. Gravel Pit Missouri Basin Power Project
(Name of Facility)

This permit hereby authorizes the applicant:

Basel D. Sims Construction Company
(Last) (First) (Middle)

Box 490
(Street or P.O. Box)

Lander, WY 82520
(City) (County) (State)

to construct, install, or modify a gravel pit

facility located in Sec. 24, T25N, R67W
(Legal Description)

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

AUTHORIZED BY:

William L. Garland
WILLIAM L. GARLAND
P.E. # 1479
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

April 24, 1980
Date of Issuance

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

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

4-30-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-194

Wardwell Water & Sewer District
(Name of Facility)

This permit hereby authorizes the applicant:

Wardwell Water & Sewer District
(Last) (First) (Middle)

7400 Salt Creek Road
(Street or P.O. Box)

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

to construct, install, or modify a small subsurface wastewater disposal
facility located in Sec. 20, T33N, R79W, Block 1, Lots 8, 9, 10
(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
 REGISTERED PROFESSIONAL ENGINEER
 WILLIAM L. GARLAND
 Administrator, E. # 1479
 Water Quality Division
 STATE OF WYOMING

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

April 24, 1980
Date of Issuance

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

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

cc: Donald M. Hopkins
216 East 17th St.
Cheyenne, WY 82001

M
5-16-80

PERMIT TO CONSTRUCT

New

Permit No. 80-195R

Renewal

Modified

Mitchell Subdivision 2nd Filing
(Name of Facility)

This permit hereby authorizes the applicant:

Mitchell, Wayne E.
(Last) (First) (Middle)

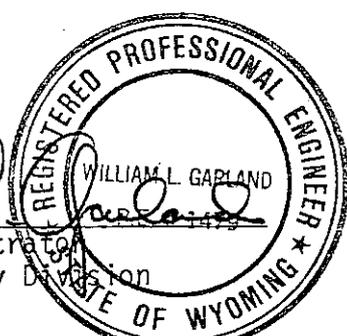
2111 Central Ave.
(Street or P.O. Box)

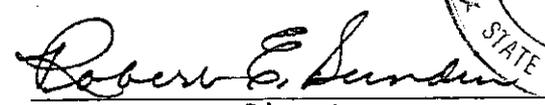
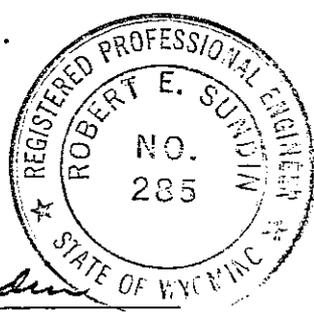
Cheyenne, WY 82001
(City) (County) (State)

to construct, install, or modify a municipal water distribution and wastewater collection
facility located in Sec. 8, T13N, R66W
(Legal Description)

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

AUTHORIZED BY:


Administrato
Water Quality Division



Director
Wyoming Dept. of Environmental Quality


May 9, 1980
Date of Issuance

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

M
4-28-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ 401 West 19th St.
Cheyenne, Wyoming 82002

PROJECT: Mitchell Subdivision, 2nd Filing, Laramie Co.

ARCHITECT OR ENGINEER: Donald Hopkins, 216 E. 17th St., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-195

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

DATE OF REVIEW: April 24, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide a letter from the public utility stating that they can adequately supply at least 350 gallons of drinking water to each lot at a minimum pressure of 20 psi under all conditions of flow; and, that the wastewater may be adequately transported and treated at their wastewater treatment facility.
2. Indicate amount of wastewater volume to be generated for the subdivision on the application form.
3. The open end of an air relief pipe from automatic valves shall be extended to at least one foot above grade and provided with a screened, downward facing elbow. The pipe from a manually operated valve should be extended to the top of the pit. A flushing hydrant may be substituted for the air relief valve provided that at least a six inch water main is installed.
4. What water pressure will exist in the system for this subdivision?

cc: L. Dean Peterson, P.E.
Ihlenfeldt-Peterson & Assoc.
102 West Bridge Street
Saratoga, WY 82331

M
4-30-80

PERMIT TO CONSTRUCT

New

Permit No. 80-196

Renewal

Modified

Town of Saratoga Sewerage System (Addition)
(Name of Facility)

This permit hereby authorizes the applicant:

Range Construction Company
(Last) (First) (Middle)

P.O. Box 1424
(Street or P.O. Box)

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

to construct, install, or modify a 200 feet of sewer line

facility located in Sec. 11, T17N, R84W
(Legal Description)

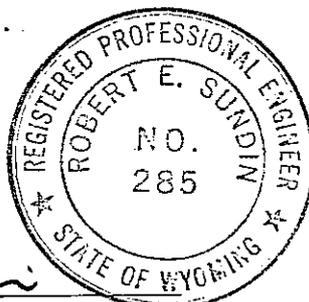
in the County of Carbon, in the State of

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

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


April 24, 1980
Date of Issuance

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



Department of Environmental Quality
Water Quality Division

~~HAYSTACK BUILDING~~
401 West 19th Street

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 27, 1980

Mr. Michael Franko
Environmental Coordinator
Petrotomics Company
P.O. Box 2509
Shirley Basin, WY 82615

Re: DEQ/WQD Ref. No. 80-197

Dear Mike:

Subsequent to receiving the information asked for in my May 7, 1980 letter, please be informed that the pit dewatering system in question at your mine meets with the approval of this Department's Water Quality Division. Both Mr. Mancini and I have had an opportunity to review the project report in detail and have found it to be satisfactory.

Please accept this letter of approval for the mine pit dewatering system in lieu of a permit to construct.

Yours truly,

Frank R. Harman
Frank R. Harman, M.S., P.E.
Environmental Engineer

FRH/nc



Department of Environmental Quality

Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 7, 1980

Mr. Mike Franko
Environmental Coordinator
Petrotomics Company
P.O. Box 2509
Shirley Basin, WY 82615

Dear Mike:

This is in regards to the report covering your dewatering system dated April 22, 1980.

Our geological engineer, Mr. A. J. Mancini, and I have had an opportunity to review the subject report and have found it to be satisfactory with one exception. On Page 3, paragraph 3, we found something left out of the sentence which reads "Figure ___ shows that the rate of the water level rise has decreased drastically." We would like to know which figure this is.

Also, I am enclosing two Application for Permit to Construct forms which need to be filled out and returned. When all information has been submitted and appoved, we will issue an approval letter for the "as built" facility.

Yours truly,

Frank R. Harman
Frank R. Harman, M.S., P.E.
Environmental Engineer

FRH/nc

Enclosure

1. 7-16
Sweetwater

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-198
Ref: 77-55

Allied Chemical Corporation, Green River Works
(Name of Facility)

This permit hereby authorizes the applicant:

Allied Chemical Corp. - B. W. Garland
(Last) (First) (Middle)

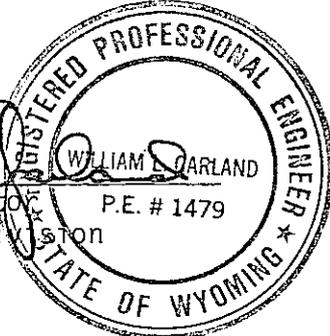
P. O. Box 551
(Street or P.O. Box)

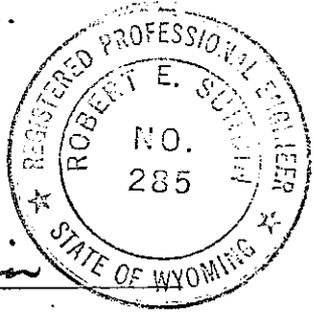
Green River WY 82935
(City) (County) (State)

to construct, install, or modify a increasing size of Pond 3 and Adding Cell J
facility located in Section 31, 32, 33, T. 19N., R. 109W.; Section 4, 5, 6,
T. 18N., R. 109W. (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


May 19, 1980
Date of Issuance

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

cc: Bob D. Baker
Baker & Associates
451 School St.
Craig, CO 81625

7/1
6-17-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-199R

Eastland Park Subdivision, Town of Baggs (Lots 1-36)
(Name of Facility)

This permit hereby authorizes the applicant:

Grieve, Thomas
(Last) (First) (Middle)

P.O. Box 240
(Street or P.O. Box)

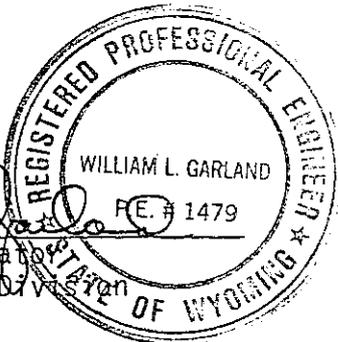
Baggs, WY 82321
(City) (County) (State)

to construct, install, or modify a municipal water supply & wastewater collection
facility located in Sec. 5, T12N, R91W
(Legal Description)

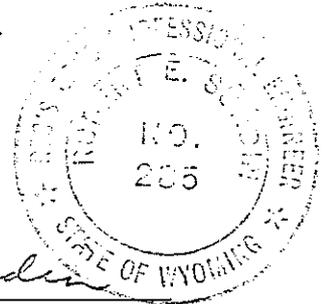
in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sinden
Director
Wyoming Dept. of Environmental Quality



June 13, 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
5-7-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
XXXXXXXXXXXXXXXXXXXXXXXXXXXX 401 West 19th Street.
State Office Building Equality State Bank Bldg.
Cheyenne, Wyoming 82002

PROJECT: Eastland Park Addition, Town of Baggs, Carbon Co.

ARCHITECT OR ENGINEER: Bob Baker, Baker & Associates, 451 School St.,
Craig, CO 81625

WATER QUALITY DIVISION REFERENCE NUMBER: 80-199

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

DATE OF REVIEW: May 1, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Two copies of an application for a Permit to Construct must be completed and submitted with the construction plans.
2. Provide a letter from the public utility or Town of Baggs indicating that they can adequately supply at least 350 gallons per day per home lot with a minimum pressure of 20 psi under all flow conditions.
3. What water pressure will exist at the proposed development site?
4. Provide a detail drawing and schedule for thrust blocks.
5. Provide a letter from the Town of Baggs indicating that the town has adequate sewer main capacity to transport the wastewater and adequate capacity in their wastewater treatment facility to handle the increased hydraulic and organic loading.
6. What protection will be provided for the wastewater pumping facility from physical damage by the one hundred year flood level? Wastewater pumping stations should remain fully operational and accesible during the twenty-five year flood (Ten State Standards).
7. What is the ventilation rate for the wet wells? For wet wells deeper than 15 feet, it is generally desirable to use multiple inlets and outlets with at least 12 complete air changes per hour for continuous ventilation systems, or at least 30 air changes per hour for intermittent systems.
8. Suitable devices for measuring wastewater flow should be considered at the pumping station.

9. What is the pumping capacity of the pumping station?
10. Alarm systems shall be provided for pumping stations. The alarm shall be activated in cases of power failure, pump failure, use of a lag pump, unauthorized entry, or any cause of pump station malfunction. Pumping station alarms shall be telemetered, including identification of the alarm condition, to a municipal facility that is manned 24 hours/day. If such a facility is not available and 24 hour holding capacity is not provided, the alarm shall be telemetered to a town office during normal working hours and to the home of the person in responsible charge of the pumping station during off-duty hours.
11. What provisions have been made for emergency operation during power outages?
12. What are the elevation differences for the force main upon entry into the gravity sewer? Force mains should enter gravity systems at a point not more than 2 feet above the flow line of the receiving manhole.
13. What will be the pressure and reaction blocking requirement for the force main from the pumping station?
14. Does the force main cross any drinking water main? If so, provide details of crossover.

M
5-8-80
Mifod

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-200R

Jackson High School Sanitary Sewer System
(Name of Facility)

This permit hereby authorizes the applicant:

Teton County School District #1 - Agent: Robert Farnsworth, P.E.
(Last) (First) (Middle)

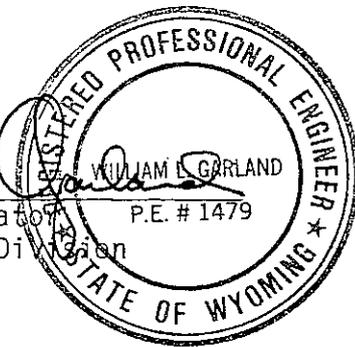
P.O. Box 568
(Street or P.O. Box)

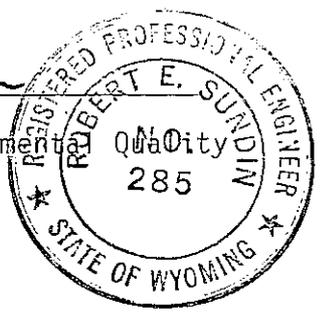
Jackson Wyoming 83001
(City) (County) (State)

to construct, install, or modify a Sewer Line and Lift Station
facility located in Sec. 6, T40N, R116W
(Legal Description)

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


May 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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Jackson High School Sanitary Sewer System

ENGINEER: Nelson Engineering Attention: Robert L. Farnsworth, P.E.
 P.O. Box 1599
 Jackson, WY 83001

OWNER: Teton County School District No. 1
 P.O. Box 568
 Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-200

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



DATE OF REVIEW: April 29, 1980

ACTION: NOT AUTHORIZED.

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

1. Recommend a three-inch gate valve be installed between the check valve and the three-inch PVC pipe adapter on the discharge line of the grinder pumps.
2. Suggest steps be installed inside the manhole/wet well in order to facilitate maintenance of the sewage lift station.

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

MRC/kn