

NORMA



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

September 21, 1981

Mr. Robert D. Stanley, P.E.
Cooper & Clark, Consulting Engineers
P.O. Box 3199
Gillette, Wyoming 82716

RE: DEQ Reference No. 80-451R
Rocky Point Subdivision
Water Storage Facility

Dear Mr. Stanley:

We have not received a reply to our letter dated August 18, 1981, which you received by certified mail on August 21, 1981. It is assumed, therefore, that you wish to withdraw your application for the above referenced project. For that reason we are returning the enclosed application, plans and specifications which were submitted to our office for this project.

Sincerely,

Lea Stoneburner
Administrative Assistant

ls

Encl.

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Rocky Point Subdivision Water Storage Facility
Campbell County

ARCHITECT OR ENGINEER: Clifford Craft, Cooper & Clark Consultants
P.O. Box 3199
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 80-451

REVIEWING ENGINEER: Dan H. Kim, ^{OK} Jake Strohman, P.E.

DATE OF REVIEW: September 26, 1980

ACTION: Not Authorized for Construction

COMMENTS:

1. Are the proposed tanks AWWA approved welded steel tanks? If so, please provide more information to verify that the proposed water tanks conform to AWWA D 100 standards.

If the tanks are bolted steel tanks, we need complete manufacturer's information including specifications of material, structural design, plate thickness, accessory details, interior and exterior coatings (EPA approved?), testing details, etc.

2. Details of system control must be provided. What are the elevations of level control in the tank?

Plate 1 shows a pump house next to the tank. Will there be booster pumps? If so, how are they to be controlled?

3. A detail drawing of the water tank needs to be provided, showing the dimensions and accessories including roof hatch, overflow pipe, drain pipe, vent, ladders, level controls, etc.

4. Pipe specification and pipe support detail are needed for the manifold system.

5. Is the chlorinator an existing one or proposed one? If it is the new one, we need the details.

Also, is the system able to provide sufficient chlorine contact time constantly? We are concerned about those occasions when the demand is high, during which time the water is bypassing the storage tank. How will this problem be prevented? Please discuss.

6/1
A
8-22-80

PERMIT TO CONSTRUCT

New

Permit No. 80-452R

Renewal

Modified

Elk Mountain Trading Company
(Name of Facility)

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

Elk Mountain Trading Company

Elk Mountain, WY 82324

to construct, install, or modify a commercial containment tank

facility according to the procedures and conditions of the application
No. 80-452R. The facility is located in Sec. 20, T20N, R80W

in the County of Carbon, in the State of Wyoming. This permit
shall be effective for a period of two (2) years (five (5) years
maximum) from the date of issuance of this permit.

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

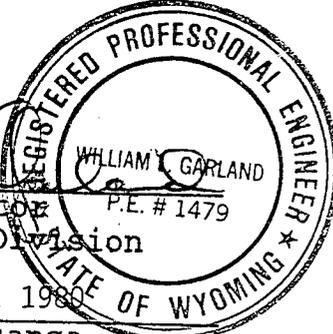
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
September 19, 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: Larry Wester
Banner Associates, Inc.
P.O. Box 550
Laramie, WY 82070

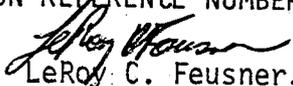
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Containment Tank for Elk Mountain Trading Company

ARCHITECT OR ENGINEER: Larry Wester, Banner Associates, Inc., P.O. Box 550,
Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 80-452

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

DATE OF REVIEW: September 2, 1980

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

1. Provide a letter from a municipality indicating that they will accept the pumpings from the holding tank. Also, provide us with the name and telephone number of a pumper in the Elk Mountain area who will service this facility.
2. ~~If a manhole assembly will be used, indicate what water proofing of the manhole will be accomplished to keep it watertight. Also recommend extending the top of the manhole at least one foot above grade to prevent surface runoff from entering unit.~~
3. Indicate how septic riser will be placed in relationship to the surface ground. Ease of pumping access should be stressed.
4. Indicate distance of holding tank from water lines, creek or any other adjacent water wells.
5. Will groundwater depth present a problem for construction?

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 29, 1981

Uinta Engineering & Surveying, Inc.
808 Main Street
Evanston, WY 82930

ATTN: Ken Walker

Re: Change Order #1 for Evanston
Estates, DEQ #80-453RRRR

Dear Ken:

The revised plans for the above referenced facility have been accepted by this office. Enclosed is your copy of the plans.

Yours truly,

A handwritten signature in cursive script that reads "Francis LaBarge".

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb
Enclosure
xc: Cheyenne DEQ/WQD
File (2)



PERMIT TO CONSTRUCT



New

Permit No. 80-453RRRR



Renewal



Modified

EVANSTON HEIGHTS

(Name of Facility)

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

INCLINE ENTERPRISES, INC.

1070 SILVER LAKE DRIVE

RENO, NEVADA 89506

to construct, install, or modify a WATER DISTRIBUTION SYSTEM,
SEWAGE COLLECTION SYSTEM

facility according to the procedures and conditions of the application

No. 80-453RRRR. The facility is located in Sec 20, T 15N,

R 120W

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

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

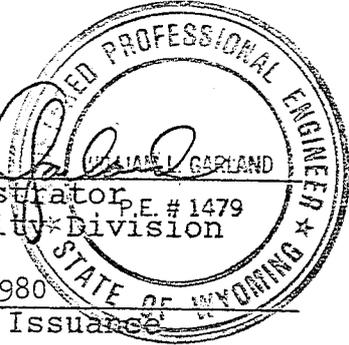
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

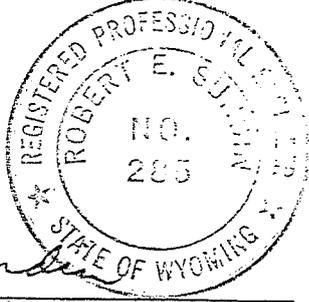
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:

William L. Garland

 Administrator, P.E. # 1479
 Water Quality Division
 October 30, 1980
 Date of Issuance

Robert E. Sinden

 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: Evanston Heights

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

OWNER: Incline Enterprises, Inc.
1070 Silver Lake Drive
Reno, Nevada 89506

WATER QUALITY DIVISION REFERENCE NUMBER: 80-453RR

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: October 15, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

This office has reviewed your resubmission and before a "Permit to Construct" will be issued, the following questions have to be answered.

- 1.) In the original review, I asked for the design calculations. These were not supplied. They should include: average flow contributions, average flow accumulations, peak flow contribution, line capacity and calculations showing that a minimum scour velocity of 2 fps is met, for each segment of the line. Please supply these calculations.
- 2.) All water lines and sewer lines should be shown on both the plan view and profile view on the same sheet so they can be viewed in relation to each other. On the resubmission, the sheets showing the sewer line profile do not show the water lines on the plan view, which they should. The same applies to the sheets showing the profile of the water system. No sewer lines are shown in the plan view.
- 3.) On the original plans, an 8 inch water line is shown crossing an 8 inch sewer line at about 15 feet from MH8 towards MH7. On the revised plans, the profile shows a 4 inch line. Which size is it?
- 4.) On the original review, I asked for the design calculations for the water system. They were not supplied. Please do so.

Please submit the required information and revised drawings, in triplicate, to this office. If you have any questions, please call.

FL/yh

AC

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Evanston Heights, *Uinta*

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

OWNER: Incline Enterprises
1070 Silver Line Drive
Reno, Nevada 89506

WATER QUALITY DIVISION REFERENCE NUMBER: 80-453 R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 23, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: The following points have to be clarified to complete the review of the proposed townhouse complex before a permit to construct can be issued.

Sewer System

1. The design calculations used to size the pipe are required. These should include average flow contributions, average flow accumulations, peak flow accumulation and line capacity as well as the number of units and population on the system. Do you anticipate any future expansion on this system?
2. There are several water and sewer line crossings, none of which are shown on the profile. In some cases, it appears that the 18 inch separation distance and 6 foot minimum depths cannot be met if the water line is placed over the sewer line. In these cases, the water line should either go under the sewer line or the sewer grades adjusted. All of these crossings should be shown on the profile.
3. There is an 8 inch water line crossing adjacent to Manhole No. 1. There does not appear to be adequate separation between the water line and manhole.

Water System

1. A note should be placed on the drawing stating that all water lines shall be at least six feet below finished grade.
2. Profiles of the water distribution system are required. All water and sewer line crossings should be shown.

3. Design calculations of the water system are required. They should include flow and maximum and minimum pressures in the system as well as the fire flow calculations.
4. A sketch of the entire water distribution system on one sheet is required to determine if the system is properly looped. The plan sheets are very confusing in this respect.
5. All valves and fittings are required to be shown. Some apparently have been left off the drawings.
6. The required number of square feet of thrust blocking at all valves, fire hydrants, bends, etc., should be shown.

General

1. There is a 30 foot easement along the I-80 Right-of-Way for construction of a new Mountain Fuel gas line. Construction of the water and sewer lines, in this area, should be coordinated with them.
2. There should be a note to the fact that all work will be in compliance with Wyoming Public Works Standard Specifications as adopted by the City of Evanston with special provisions added by the City. Specifically noted herein are:
 - a. All manhole covers in addition to requirements in Section 401.04 shall be vented with perforated holes.
 - b. Section 301.02 Item (2) describes the requirements for PVC pressure pipe. It calls for pipe to meet the requirements of AWWA C-900 and must be made to ductile iron O.D.'s for "push on" joints. This means that ASTM D-2241 pipe is not acceptable and will not be allowed.

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

FL/kn

PERMIT TO CONSTRUCT

New

Permit No. 80-455

Renewal

Modified

MIDWEST WATER LINE RECONDITIONING

(Name of Facility)

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

Pipe Services, Incorporated

2201 South Valencia Street

Denver, Colorado 80231

to construct, install, or modify a pipe cleaning waste disposal

facility according to the procedures and conditions of the application

No. 80-455. The facility is located in Sections 21, 16, 9

and 4, T.34N., R.79W.; Sections 33, 28, 21, 16, 9, and 4, T.35N., R.79W.; Sections

34, 27, 22, 15, 10, and 3, T.36N., R.79W.

in the County of Natrona, in the State of Wyoming. This permit

shall be effective for a period of one (1) 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.

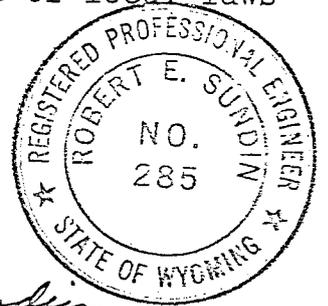
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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
1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division

October 9, 1980

Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Nix Anderson
County Sanitarian
1200 East 3rd Street
Casper, WY 82633

Town of Midwest
P.O. Box 190
Midwest, WY 82643

James C. Gores
ARIX
625 East Madison
Riverton, WY 82501

M 9-8-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-456

Delgado Bulk Plant Small Wastewater Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Delgado Oil Company
(Last) (First) (Middle)

P.O. Box 66
(Street or P.O. Box)

Pinedale Wyoming 82941
(City) (County) (State)

to construct, install, or modify a small wastewater facility with Wisconsin Mound
~~facility~~ located in SW 1/4 Sec. 7, T. 18N, R. 105W
(Legal Description)

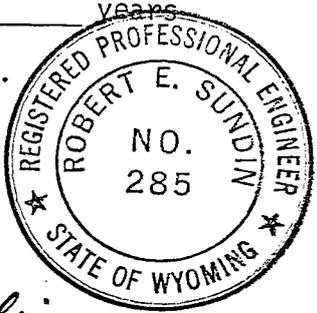
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

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



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 2, 1980
Date of Issuance

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

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

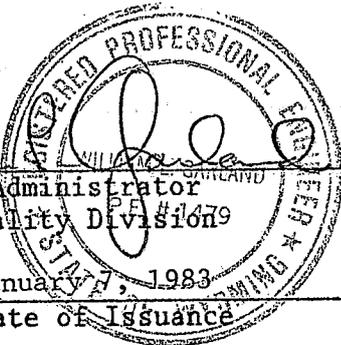
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

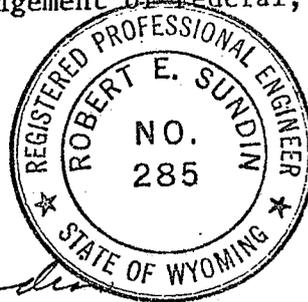
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

Administrator
Water Quality Division
PE #1479
January 7, 1983
Date of Issuance



Director
Dept. of Environmental Quality



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

CONDITIONS

The sediment runoff control plan for the entire drainage area of the Eagle Butte Mine has been approved under this permit.

This permit allows the AMAX Coal Mine to construct the ponds or containment ditches which will individually contain less than 2.0 acre/feet of runoff and which are individually less than 2.0 acres in surface area when needs arise, without obtaining the permit to construct prior to its construction.

However, the following conditions must be complied with.

- (1) Within 30 days following completion of construction of an individual facility, the permittee shall furnish the Water Quality Division with the following:
(a) the exact size, location and capacity of the facility; (b) certification by an engineer registered to practice in the State of Wyoming that the facility meets the approved design requirements and sizing criteria.
- (2) Any sedimentation pond which will contain more than 2.0 acre/feet of runoff or which is larger than 2.0 acres in surface area will continue to need a permit to construct prior to commencement of construction. Additionally, any pond which is used for the treatment of mine pit dewater or other groundwater prior to discharge is to be authorized by a specific permit to construct.

PERMIT TO CONSTRUCT

New

Permit No. 80-457

Renewal

Modified

EAGLE BUTTE MINE - SEDIMENT RUNOFF CONTROL PLAN

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a sediment runoff control plan

facility according to the procedures and conditions of the application

No. 80-457. The facility is located in Eagle Butte Mine
permit area

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

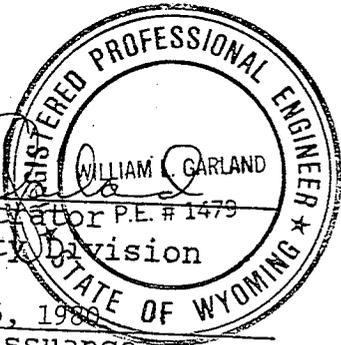
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division
November 6, 1988
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

CONDITIONS ATTACHED TO PERMIT NO. 80-457

The sediment runoff control plan for the entire drainage area of the Eagle Butte Mine has been approved under this permit.

This permit allows the AMAX Coal Mine to construct the ponds or containment ditches which will individually contain less than 2.0 acre/feet of runoff and which are individually less than 2.0 acres in surface area when needs arise, without obtaining the permit to construct prior to its construction.

However, the following conditions must be complied with.

- (1) Within 30 days following completion of construction of an individual facility, the permittee shall furnish the Water Quality Division with the following: (a) the exact size, location and capacity of the facility; (b) certification by an engineer registered to practice in the State of Wyoming that the facility meets the approved design requirements and sizing criteria.
- (2) Any sedimentation pond which will contain more than 2.0 acre/feet of runoff or which is larger than 2.0 acres in surface area will continue to need a permit to construct prior to commencement of construction. Additionally, any pond which is used for the treatment of mine pit dewater or other ground water prior to discharge is to be authorized by a specific permit to construct.

*Department of Environmental Quality**Water Quality Division*

30 EAST GRINNELL

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6488

Mr. Mike Brown
AMAX Coal Company
P.O. Box 3005
Gillette, Wyoming 82716

RE: Eagle Butte Mine Sediment Runoff Control Plan
and Design Information for As-Built Runoff
Control Ponds, Permit No. 80-457

Dear Mr. Brown:

This office has reviewed design information submitted for the as-built sedimentation runoff control ponds in the Eagle Butte Mine and agrees that the design criteria and ponds' capacity used meet the minimum state requirements. Therefore, this letter serves as a tacit agreement of this office for the as-built pond facilities described in Table 7 of the permit application.

Also attached is the permit for sediment runoff control plan of the Eagle Butte Mine. This permit allows the Eagle Butte Mine to construct the sediment traps which will individually contain less than 2.0 acre/feet of runoff and which are individually less than 2.0 acres in surface area when needs arise, without obtaining the permit to construct prior to its construction on the condition that the permittee shall comply with the attached conditions. I believe you will find the permit conditions self-explanatory.

If you have any further questions on this matter, please give me a call.

Sincerely,

A handwritten signature in cursive script that reads "Dan H. Kim".

Dan H. Kim
Environmental Engineer

DHK:ls

Attachments

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

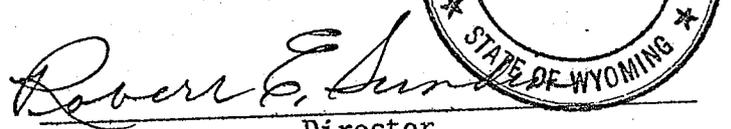
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
January 7, 1983
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.

CONDITIONS

The sediment runoff control plan for the entire drainage area of the Belle Ayr Mine has been approved under this permit.

This permit allows the AMAX Coal Mine to construct the ponds or containment ditches which will individually contain less than 2.0 acre/feet of runoff and which are individually less than 2.0 acres in surface area when needs arise, without obtaining the permit to construct prior to its construction.

However, the following conditions must be complied with.

- (1) Within 30 days following completion of construction of an individual facility, the permittee shall furnish the Water Quality Division with the following:
(a) the exact size, location and capacity of the facility; (b) certification by an engineer registered to practice in the State of Wyoming that the facility meets the approved design requirements and sizing criteria.
- (2) Any sedimentation pond which will contain more than 2.0 acre/feet of runoff or which is larger than 2.0 acres in surface area will continue to need a permit to construct prior to commencement of construction. Additionally, any pond which is used for the treatment of mine pit dewater or other groundwater prior to discharge is to be authorized by a specific permit to construct.

PERMIT TO CONSTRUCT

New

Permit No. 80-458

Renewal

Modified

BELLE AYR MINE - SEDIMENT RUNOFF CONTROL PLAN

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a sediment runoff control plan

facility according to the procedures and conditions of the application

No. 80-458. The facility is located in Section 32,

T.48N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of 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.

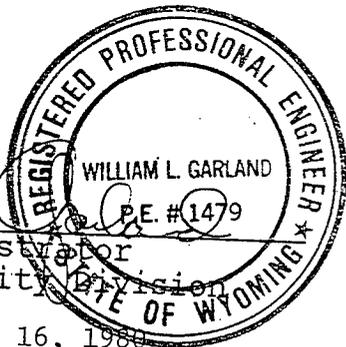
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

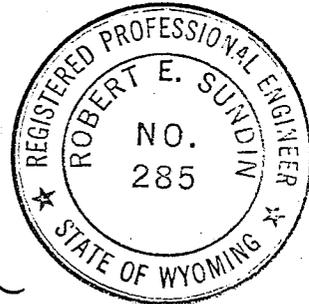
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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
October 16, 1980
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality

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

CONDITIONS ATTACHED TO PERMIT NO. 80-458

The sediment runoff control plan for the entire drainage area of the Belle Ayr Mine has been approved under this permit.

This permit allows the AMAX Coal Mine to construct the ponds or containment ditches which will individually contain less than 2.0 acre/feet of runoff and which are individually less than 2.0 acres in surface area when needs arise, without obtaining the permit to construct prior to its construction.

However, the following conditions must be complied with.

- (1) Within 30 days following completion of construction of an individual facility, the permittee shall furnish the Water Quality Division with the following: (a) the exact size, location and capacity of the facility; (b) certification by an engineer registered to practice in the State of Wyoming that the facility meets the approved design requirements and sizing criteria.
- (2) Any sedimentation pond which will contain more than 2.0 acre/feet of runoff or which is larger than 2.0 acres in surface area will continue to need a permit to construct prior to commencement of construction. Additionally, any pond which is used for the treatment of mine pit dewater or other ground water prior to discharge is to be authorized by a specific permit to construct.



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

30 EAST GRINNELL

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6488

Mr. Mike Brown
AMAX Coal Company
P.O. Box 3005
Gillette, Wyoming 82716

RE: Belle Ayr Mine Sediment Runoff Control Plan
and Design Information for As-Built Runoff
Control Ponds, Permit No. 80-458.

Dear Mr. Brown:

This office has reviewed design information submitted for the as-built sedimentation runoff control ponds in the Belle Ayr Mine and agrees that the design criteria and ponds' capacity used meet the minimum state requirements. Therefore, this letter serves as a tacit agreement of this office for the as-built pond facilities described in Table 7 (except sedimentation ponds #22 and #23 which are to be built in the future) of the permit application.

In addition, although brief information of the future NPDES ponds (#008, #009, #010, and #011) and sediment ponds (#22 and #23) were provided in the submittal, I understand it is not your intention to obtain construction permits for these ponds at this time because description of the future ponds were included only to supplement the general Mine Sediment Runoff Control Plan. Therefore, complete review for these proposed ponds will be made at the time when separate permit applications for construction are to be submitted in the future.

Also attached is the permit for sediment runoff control plan of the Belle Ayr Mine. This permit allows the Belle Ayr Mine to construct the sediment traps which will individually contain less than 2.0 acre/feet of runoff and which are individually less than 2.0 acres in surface area when needs arise, without obtaining the permit to construct prior to its construction on the condition that the permittee shall comply with the attached conditions. I believe you will find the permit conditions self-explanatory.

Mike Brown

Page two

If you have any further questions on this matter, please give me a call.

Sincerely,

A handwritten signature in cursive script that reads "Dan H. Kim".

Dan H. Kim
Environmental Engineer

DHK/lb

Attachments

M-105
10-23-80

PERMIT TO CONSTRUCT

Permit No. 80-459

- New
- Renewal
- Modified

IRIGARAY MINE DISCHARGE LINE

(Name of Facility)

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

Wyoming Mineral Corporation, Attention: Donna Wichers
P.O. Box 1038
Buffalo, Wyoming 82834

to construct, install, or modify a permeate discharge

facility according to the procedures and conditions of the application
 No. 80-459. The facility is located in Section 9, T.45N.,
R.77W.

in the County of Johnson, in the State of Wyoming. This permit
 shall be effective for a period of two (2) years (five (5) years
 maximum) from the date of issuance of this permit.

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

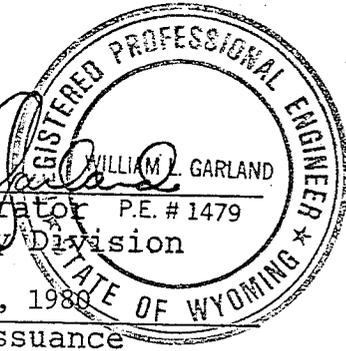
The authority to construct granted by this permit does not mean or
 imply that the Wyoming Department of Environmental Quality guarantees
 or insures that the permitted facility, when constructed, will meet
 applicable discharge permit conditions or other effluent or oper-
 ational requirements.

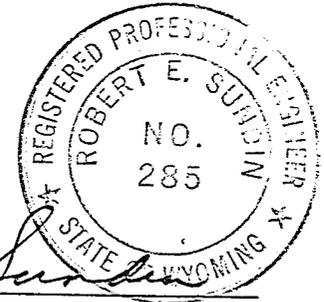
The permittee shall allow authorized representatives from the Depart-
 ment of Environmental Quality, Water Quality Division, upon the pre-
 sentation of credentials and during working hours, to have access to
 inspect the facilities, at the above location, for the purpose of
 compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
October 10, 1988
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

New

Permit No. 80-460

Renewal

Modified

Bicentennial Park Sewerline

(Name of Facility)

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

Campbell County Recreational Department

c/o Brady Consultants, Inc., Attn: Robert Rothermel

P.O. Box 1329, Gillette, Wyoming 82716

to construct, install, or modify a sewer collection line

facility according to the procedures and conditions of the application

No. 80-460. The facility is located in Section 21,

T.50N., R.72W.

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.

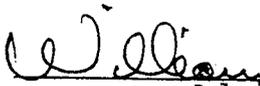
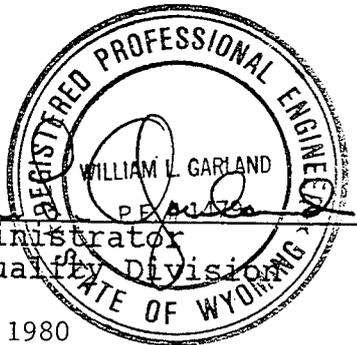
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

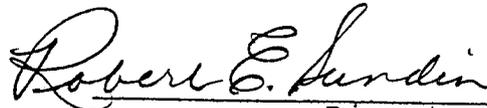
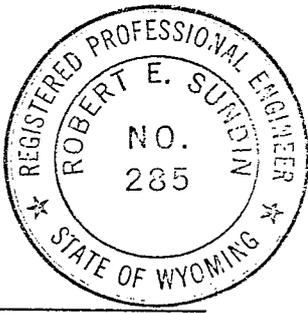
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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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. 01172
Administrator
Water Quality Division
STATE OF WYOMING



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

September 25, 1980
Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 80-461RR

Renewal

Modified

Deer Creek Village

(Name of Facility)

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

Fred Call

1712 South Spruce

Casper, WY 82601

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

facility according to the procedures and conditions of the application

No. 80-461RR. The facility is located in Lots 37 through

58, Deer Creek Village, Section 33, T34N, R75W

in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

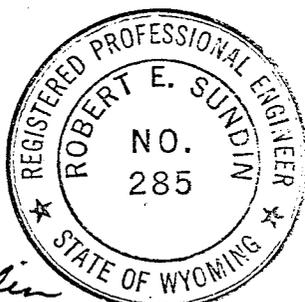
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Rosendahl
Administrator
Water Quality Division
PE # 1479
October 17, 1988
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Max D. Carpenter
Rosendahl & Associates
1360 North Main
Sheridan, WY 82801

Review of Plans and Specifications

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

696
m 10-9

PROJECT: Deer Creek Village, Glenrock, Wyoming, Converse County

ARCHITECT OR ENGINEER: Max D. Carpenter, Rosendahl & Associates
1360 North Main, Sheridan, WY 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 80-461R

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

DATE OF REVIEW: 10-8-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: I had to go back and re-evaluate the plans and specifications because I was not informed that Deer Creek Village was located in the flood plain. Because of this, I submit the following additional comments:

1. What is the 100 yr-flood elevation and the 25 yr-flood elevation in this area? From whom was this information obtained?
2. Section 31 of 'Ten States Standards' requires sewage pumping station structures to be:
 - a. protected from physical damage by the 100 yr-flood
 - b. operational and accessible during the 25 yr-floodPlease revise your plans to include this protection.
3. Section 25.5 of 'Ten State Standards' requires watertight manhole covers where tops may be flooded. Please revise your plans to include this requirement.

Loc. of file
12-9-80

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Deer Creek Village, Glenrock, Wyoming

ARCHITECT OR ENGINEER: Max D. Carpenter, Rosendahl & Assoc., 1360 N. Main,
Sheridan, WY 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 80-461

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

DATE OF REVIEW: 9-15-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Water

1. What is the size of the water riser for trailer connection?
2. A letter from the public utility system manager must accompany application to verify adequate water is available for additional hook-ups.
3. Sec. 301.02. Pipe classes and wall thicknesses are not described in "Special Provisions". Where are the Special Provisions?
4. Sec. 301.04 E. What is the size of the thrust blocking?
5. Sec. 301.04 E. What is the depth of cover to prevent freezing?
6. Sec. 301.05 C. The connection to the existing main is not shown on the plans as stated.
7. Sec. 301.07.5. The sites and velocities of flushing are not specified in the 'supplemental specifications'.
8. How are the water services to be valved and plugged?
9. How will services be tapped into the two inch water main?
10. Design Calculations. At which connection to the existing water system was the 70 psi found? Did your analysis take into account the demand for the other trailer lots? Is the peak demand of 65 gpm the correct criteria or should all lots be used?

Sewer

1. What is the size of the sewer riser for connection?
2. A letter from the public utility system manager must accompany application to verify that capacity is available for individual hook-ups.
3. Sec. 401.04 A. Standard Drawings 401-01, 401-02, 401-03, and 401-04 are not shown.
4. Sec. 401.04 F. Section 501, PORTLAND CEMENT CONCRETE is not included.

5. Sec. 402.02 E. These items are not specified.
6. Sec. 402.04 A. Std. Drawing, 402-01 is not shown.
7. Please supply the necessary information (controls, pump size, wet-well capacity) and the engineering calculations to evaluate whether the lift station has adequate capacity for these additional spaces.

General

1. Sec. 201.03 A. Type of trench excavation is not shown on Plans as specified.
2. Sec. 201.03.A. A "typical trench detail" would be appropriate.
3. Sec. 201.04 B & C Please specify the exact compaction which is required in the bedding and the lower backfill.
4. Sec. 201.03 E. What is the depth of cover on the water mains? It is not shown on the plans.
5. Water lines and sewer lines should be identified with distance from lot lines not only for construction purposes but for future O & M purposes.

File



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 15, 1980



Charles K. Curlee
Texas Oil and Gas Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Re: Small Wastewater Facilities

Dear Mr. Curlee:

This office is in receipt of your letter stating that the proposed small wastewater facility at Glover Horseshoe Bend USA No. 1, Permit No. 80-463, will not be constructed. No further action is necessary.

In regards to the Windmill Draw Unit No. 3, your proposed management of the wastewaters is acceptable to this office. No permit will be required in this case.

If you have any questions, please contact me at this office.

Respectfully,

Francis LaBarge
Water Quality Engineer
Southwest District

FL/yh

cc: Cheyenne, DEQ/WQD

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

October 13, 1980



Wyoming Department of Environmental Quality
Southwest District
933 Main Street
Lander, Wyoming 82520

Attn: Robin Collins

Re: Small Waste Water Facility
Glover Horseshoe Bend USA #1
Section 6-T22N-R95W
Sweetwater County, Wyoming

Gentlemen:

This is to inform you that the small waste water facility for the above referenced well location will not be constructed.

At the time the application form "Permit to Construct" was submitted, Texas Oil & Gas Corp. anticipated that the temporary camp facility associated with the Glover Horseshoe Bend well location would remain established for a period of 120 days. However, after completing the drilling operations it was decided to remove the camp from the location. As a consequence, no septic tank and septic pit disposal facility was constructed, as permitted under permit number 80-463. Portable chemical toilets were used to contain human wastes during the duration of the drilling operations. Wastes from these toilets were disposed of via the Rock Springs Municipal Sewer System.

If you have any questions or need additional information regarding the status of the "Permit to Construct", please call me at this office.

Very truly yours,

TEXAS OIL & GAS CORP.

Charles K. Curlee
Environmental Administrator

CKC/bs

179-10-50

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-463

Glover-Horseshoe Bend USA #1 Small Wastewater Facility
(Name of Facility)

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

Texas Oil and Gas Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

to construct, install, or modify a small wastewater

facility according to the procedures and conditions of the application

No. 80-463. The facility is located in Sec. 6, T. 22N,
R. 95W

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.

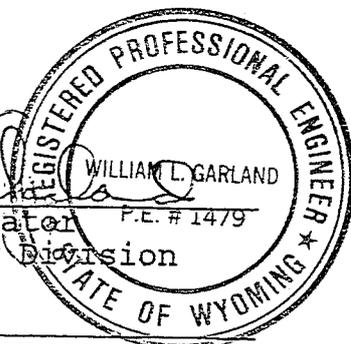
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

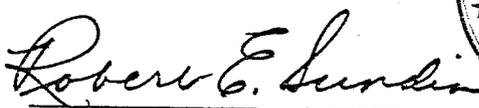
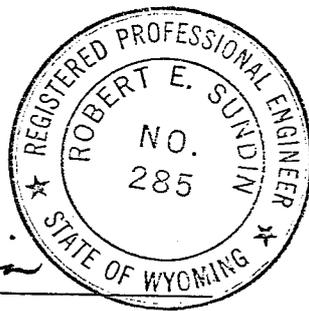
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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


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



ROBERT E. SUNDIN
NO. 285
Director
Dept. of Environmental Quality


September 11, 1980

Date of Issuance

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

FL/kn

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 80-464

B-C Homes Trunk Sewer

(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

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

facility according to the procedures and conditions of the application

No. 80-464. The facility is located in NW $\frac{1}{4}$, Sec. 35, T14N,
R66W

in the County of Laramie, in the State of Wyoming. This permit
shall be effective for a period of 2 years (five (5) years
maximum) from the date of issuance of this permit.

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

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

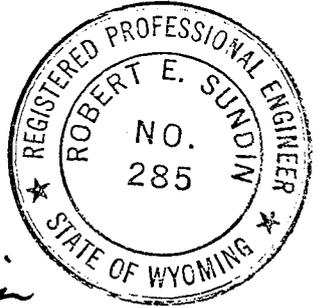
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1179
Water Quality Division
September 11, 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: Joe Kub
1912 Capitol Avenue
Cheyenne, WY 82001

2000

PERMIT TO CONSTRUCT

New

Permit No. 80-465

Renewal

Modified

Yellowstone Professional Plaza
(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater col-
lection system

facility according to the procedures and conditions of the application

No. 80-465. The facility is located in Section 24,
T14N, R67W

in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

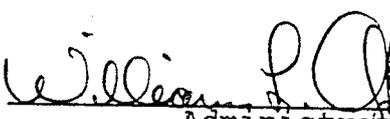
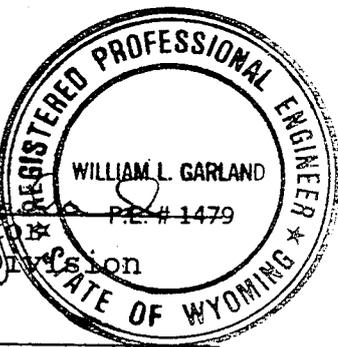
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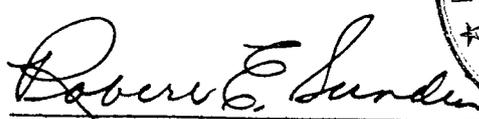
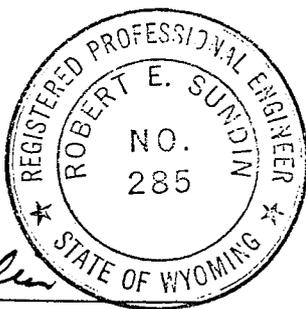
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AUTHORIZED BY:


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



ROBERT E. SUNDIN
NO. 285
Director
Dept. of Environmental Quality


September 11, 1980
Date of Issuance

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

cc: Joe Kub
1912 Capitol Avenue
Cheyenne, WY 82001

Uinta



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 14, 1982

Mr. G. L. Austin
Amoco Production Co.
Amoco Building
17th & Broadway
Denver, CO 80202

RE: Amoco Sulfur Block Evaporation Pond, Permit to Construct
#80-466R, Riprap Deletion

Dear Mr. Austin:

Your request to delete the riprap requirement from the above referenced facility is hereby granted. Approval is based upon Amoco's commitment to repair any significant erosion of the dike surfaces and/or if long term utilization of the sulfur block storage area is required, riprap will be installed if deemed necessary for erosion control.

Yours truly,

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne DEQ/WQD
File



Amoco Production Company

Denver Region
Amoco Building
17th & Broadway
Denver, Colorado 80202
303-830-4040

June 9, 1982

Mr. Francis LaBarge
Wyoming Department of Environmental Quality
Water Quality Division
210 Lincoln Street
Lander, WY 82520



File: HAS-183-986.631/716

Dear Mr. LaBarge:

Riprap Requirements: Sulfur Block Evaporation Pond
Whitney Canyon Gas Processing Plant

We hereby request that the Water Quality Division, amend Permit No. 80-466R, Amoco Sulfur Block Evaporation Pond, to delete the requirement for riprap installation on finished earth dike surfaces.

In order to provide for sulfur storage and protect the environment at our Whitney Canyon Gas Plant, Amoco applied, during 1980, for a construction permit for a sulfur block storage area evaporation pond, to contain rainfall runoff off the sulfur block. We received DEQ Permit No. 80-466R. A specification of our design, approved by this permit, requires installation of riprap on finished earth surfaces of the pond dikes for erosion protection. The pond is currently under construction and will be completed prior to plant startup.

Due to Amoco's current Whitney Canyon plant and sulfur terminal designs, incorporating facilities to store 20 days of molten sulfur production (at 1200 tons per day), it is very unlikely that the sulfur block storage area will be utilized after startup. A small amount of off-specification sulfur will be generated during startup and will be placed in the storage area. We estimate this to be approximately 200 tons.

Installation of riprap for the entire facility, as required at this time, for such a small amount of storage should not be necessary either to insure the integrity of the dikes or for environmental considerations. The Whitney Canyon Plant will be staffed and operated 24 hours a day. Amoco has also recently hired an environmental engineer for our Salt Lake City office. This engineer will be working closely with the Whitney Canyon Plant personnel to insure environmental protection. Remedial repairs to dike surfaces should significant erosion occur will be conducted as needed.

June 9, 1982

Mr. Francis LaBarge

Page two

Since our facility design provides adequate sulfur storage, and erosion repair can be conducted as needed, we request that the riprap requirement for our sulfur block evaporation pond be deleted at this time. In the event that market conditions should change, requiring long term utilization of the sulfur block storage area, Amoco at that time, will install riprap should it be determined necessary for erosion control.

Please call me at 303-830-5017 if you have any questions or require additional information to approve this request.

A handwritten signature in cursive script, appearing to read "G. L. Austin".

G. L. Austin
Coordinator of Environmental Affairs

GLA/lis

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 14, 1982

Mr. G. L. Austin
Amoco Production Co.
Amoco Building
17th & Broadway
Denver, CO 80202

RE: Amoco Sulfur Block Evaporation Pond, Permit to Construct
#80-466R, Riprap Deletion

Dear Mr. Austin:

Your request to delete the riprap requirement from the above referenced facility is hereby granted. Approval is based upon Amoco's commitment to repair any significant erosion of the dike surfaces and/or if long term utilization of the sulfur block storage area is required, riprap will be installed if deemed necessary for erosion control.

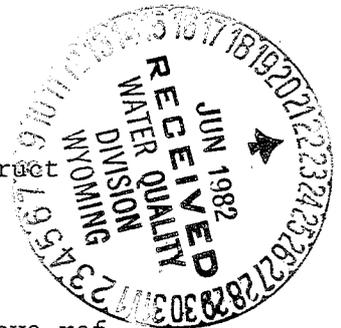
Yours truly,

A handwritten signature in cursive script that reads "Francis LaBarge".

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne DEQ/WQD
File



PERMIT TO CONSTRUCT

New

Permit No. 80-466R

Renewal

Modified

Amoco Sulfur Block Evaporation Pond

(Name of Facility)

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

Amoco Production Company

Amoco Building

Denver, CO 80202

to construct, install, or modify a evaporation pond

facility according to the procedures and conditions of the application

No. 80-466R. The facility is located in Sec. 17, T. 17N,
R. 119W

in the County of Uinta, 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.

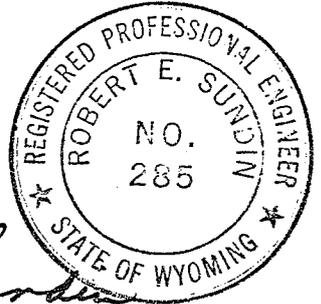
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

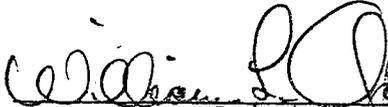
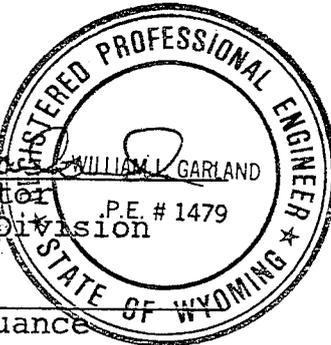
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

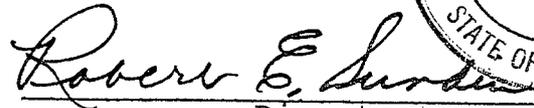
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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
Administrator
Water Quality Division



Director
Dept. of Environmental Quality

December 16, 1980
Date of Issuance

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 STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 17, 1983

Amoco Production Co.
P. O. Box 17675
Salt Lake City, UT 84117

Attention: Mr. T. G. Doss

RE: Modification of Use for Sulfur
Block Runoff Pond #80-466R

Dear Mr. Doss:

Amoco's referenced request has been reviewed and cannot be authorized until the following details are resolved:

1. Permit #80-466R authorized a lined pond with virtually no seepage. The pond in all likelihood cannot handle the amount of inflow proposed. If the liners infiltration rate is near that projected by EWP, documentation showing the absence of shallow groundwater is needed.
2. The use of the originally permitted rip-rap needs to be fully evaluated if the pond is to be operated near capacity.
3. Details of the piping and inlet need to be supplied.

I need to reiterate that you will be required to reserve storage for runoff control at all times.

Should you have questions, please contact me.

Respectfully,

A handwritten signature in cursive script that reads "Albert J. Berreth".

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: EWP-Jim Olson with Enclosure
Cheyenne DEA/WQD-Bill Ewen ✓
File (4)

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

(307) 332-3144

PROJECT: Sulfur Block Evaporative Pond

ENGINEER: Preston L. Jones
Stearns-Roger Inc.
P.O. Box 5888
Denver, Colorado 80217

OWNER: Amoco Production Company
Amoco Building
Denver, Colorado 80202

WATER QUALITY DIVISION REFERENCE NUMBER: 80-466

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 10, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: In order to complete a review of the Sulfur Block Evaporative Pond the following information is requested:

1. Please provide design figures such as average anticipated rainfall, evaporation rate, and calculations used to size the pond.
2. Is this pond designed to contain the runoff from a ten year-twenty four hour precipitation event?
3. How much contamination will the runoff water receive from the sulfur block.
4. Have provisions been made to draw off any water after a storm?

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

FL/lh

PERMIT TO CONSTRUCT

New

Permit No. 80-467

Renewal

Modified

Uinta Bible Church Small Wastewater Facility

(Name of Facility)

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

Uinta Bible Church

517 Main Street

Evanston, WY 82930

to construct, install, or modify a small wastewater

facility according to the procedures and conditions of the application

No. 80-467. The facility is located in Sec. 25, T. 15N,

R. 121W

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

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

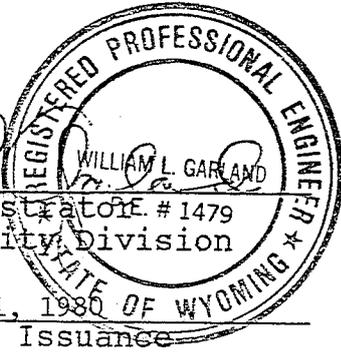
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

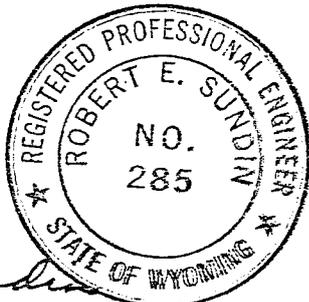
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator # 1479
Water Quality Division
September 11, 1980
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL/kn

M-10
6-29-80

PERMIT TO CONSTRUCT

New

Permit No. 80-468RR

Renewal

Modified

Uinta Drive Sewer Line

(Name of Facility)

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

City of Green River

P.O. Box 1140

Green River, Wyoming 82935

to construct, install, or modify a sewer line

facility according to the procedures and conditions of the application
No. 80-468RR. The facility is located in Sec. 27, T. 18, R. 107

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

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

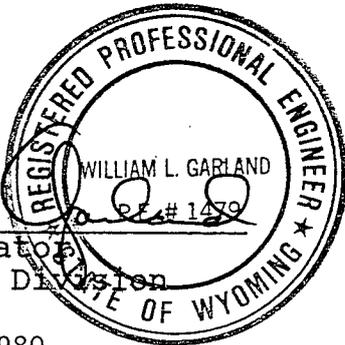
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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

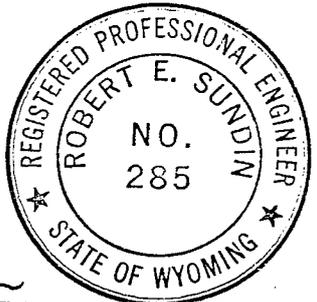
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William L. Garland

Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin

Director
Dept. of Environmental Quality

September 19, 1980
Date of Issuance

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

FL/kn

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

PROJECT: Uinta Drive Sewer Line

ENGINEER: Robert Carlson
Nelson Engineering
P.O. Box 111
Green River, WY 82935

OWNER: City of Green River
P.O. Box 1140
Green River, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 80-468R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 15, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

In order to complete the review of this project and issue the "Permit to Construct", the following information is required.

1. The design figures for this line are required showing average flow contributions, average flow accumulations, peak flow accumulations and line capacities.
2. Of what class and material will the sewer pipe be?
3. Information is required on installation standards, trenching, bedding, back-fill, deflection tests, joints, and leakage tests.
4. Are the manholes waterproofed on the exterior and do they have waterproof joints?
5. What is the allowable infiltration rate being used?

As a reminder, under Chapter III of the Wyoming Water Quality Rules and Regulations, no construction can take place until the "Permit to Construct" has been issued. In the specification package, it says bids will be opened on September 15, 1980 on this project. Please be aware these plans have not been approved and upon receipt of the requested information, it is possible changes may be required.

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

FL/kn

PERMIT TO CONSTRUCT

New

Permit No. 80-469R

Renewal

Modified

Pennant Service Company Building
(Name of Facility)

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

Steel Structures, Incorporated

P. O. Box 73

Casper, WY 82601

to construct, install, or modify a commercial subsurface disposal waste treatment

facility according to the procedures and conditions of the application

No. 80-469R. The facility is located in 2140 7 Mile Road,
Section 32, T34N, R80W

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.

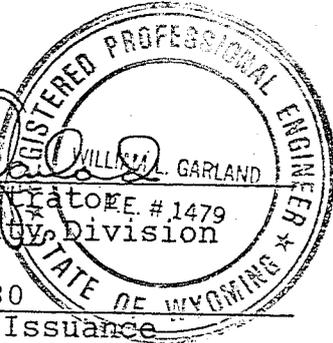
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

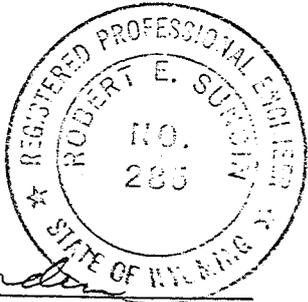
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
WILLIAM L. GARLAND
AdministratoE. #1479
Water Quality Division
STATE OF WYOMING
October 24, 1980
Date of Issuance


Robert E. Sunder
Director
Dept. of Environmental Quality

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

cc: Fred C. Theiss
341 East "E" Street, Suite 195
Casper, WY 82601

15
9-18-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~STATE OFFICE BUILDING~~ 401 West 19th St.
Cheyenne, Wyoming 82002

PROJECT: Pennant Service Company Building, Natrona Co.

ARCHITECT OR ENGINEER: Fred C. Theiss, 341 E. "E" St., Suite 195, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-469

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

DATE OF REVIEW: September 16, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. How was the volume of wastes determined? Both the 1250 gpd and the 100 gpd.
2. I need to know the characteristics of the wastewater which originate from the floor sump. Will it have a higher than normal content of grease, oil, silt, mud, heavy metals, toxic substances, etc.? Is some type of pretreatment (grease trap) necessary to protect the septic tank?
3. The minimum size septic tank allowable is 1000 gallons.
4. The recommended septic tank capacity for a sewage flow of 1250 gpd is 1.5 times the sewage flow or 1875 gallons minimum (Manual of Septic Tank Practice). The 1500 gallon septic tank is undersized.

PERMIT TO CONSTRUCT

New

Permit No. 80-470R

Renewal

Modified

Garlick Sales & Service Company Building
(Name of Facility)

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

Steel Structures, Incorporated

P. O. Box 73

Casper, WY 82601

to construct, install, or modify a commercial subsurface disposal waste treatment

facility according to the procedures and conditions of the application

No. 80-470R. The facility is located in 2100 7 Mile Road,
Section 32, T34N, R80W

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.

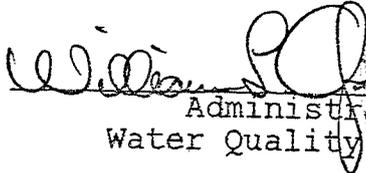
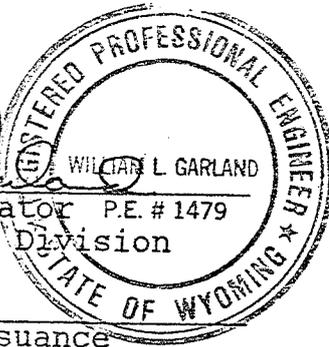
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

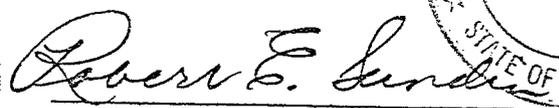
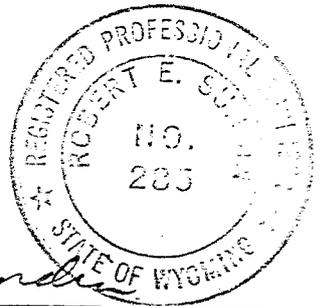
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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


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



Director
Dept. of Environmental Quality


October 24, 1980
Date of Issuance

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

cc: Fred C. Theiss
341 East E Street, Suite 195
Casper, WY 82601

log & file
#-9-15

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Garlick Sales and Service Com. Bldg.

ARCHITECT OR ENGINEER: Fred C. Theiss, 341 E. "E" St. Suite 195, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-470

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

DATE OF REVIEW: 9-15-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. I need to know the characteristics of the wastewater which originate from the floor sump. Will it have a higher than normal content of grease, oil, silt, mud, heavy metals, toxic substances, etc.? Is some type of pretreatment (grease trap) necessary to protect the septic tank?
2. Two application forms were submitted with the Plans. One form stated 1250 gpd and the other had 100 gpd. Neither one correlates with the estimated sewage flow of 950 gpd (750 + 200 sump). Which figures are correct?
3. The minimum size septic tank allowable is 1000 gallons. (Manual of Septic Tank Practice, U.S. Dept. of H.E.W.)

PERMIT TO CONSTRUCT

New

Permit No. 80-471R

Renewal

Modified

WILDERLAND SUBDIVISION SEWAGE TREATMENT
(Name of Facility)

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

Donald Gratz

P.O. Box 2736

Gillette, Wyoming 82716

to construct, install, or modify a sewage treatment

facility according to the procedures and conditions of the application

No. 80-471. The facility is located in Section 7,

T.49N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of 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.

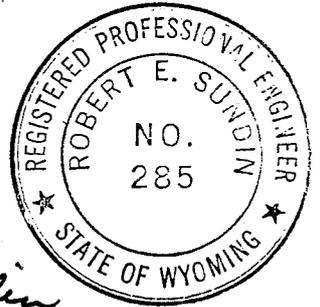
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

Robert E. Sundin
Director
Dept. of Environmental Quality

November 26, 1980
Date of Issuance

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

cc: Carroll S. Delaney, Engineer
1170 Jersey Street
Denver, Colorado 80220

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wilderland Subdivision Wastewater Treatment

ARCHITECT OR ENGINEER: Carroll S. Delaney and Associates
1170 Jersey
Denver, Colorado 80220

WATER QUALITY DIVISION REFERENCE NUMBER: 80-471

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: October 30, 1980

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. The clarifier specifications are for a completely different type of equipment than that shown on the plans.
2. No specifications on the blower or diffusers for the aerobic digesters are provided.
3. The chlorine handling equipment should be shown somewhere either on these plans or those for the remainder of the project (reference No. 80-492). The submersible pump for chlorine injection should also be specified.
4. Details of the various slide gates needed in the plant should be provided.
5. Locations of the flow monitoring equipment within the plant should be shown.
6. The electrical section and drawings should indicate how power is to be supplied to the traveling bridge.
7. This office is concerned that the inlet holes on the sludge collector are of such a size that they will plug easily. Please provide a list of installations (and operators thereof) where such equipment is in use.
8. References in the specifications to a grit chamber should be deleted.
9. The trough leading from the aeration chamber to the clarifier should not continue to slope down for supernate return from the digester.
10. Penetrations in the clarifier wall, for the scum and weir troughs, should be shown.

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



5-15
Lef

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-472RR

Black Mountain Village Well No. 2
(Name of Facility)

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

Town of Wheatland

600 Ninth Street

Wheatland, WY 82201

to construct, install, or modify a new potable water supply well facility according to the procedures and conditions of the application No. 80-472RR. The facility is located in Section 14, T24N, R68W in the County of Platte, in the State of Wyoming.

This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

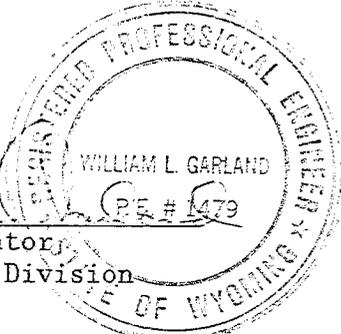
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

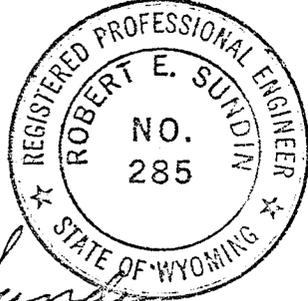
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


William L. Garland
Administrator,
Water Quality Division


Robert E. Sundin
Director
Dept. of Environmental Quality

May 7, 1981

Date of Issuance

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

cc: Larry Wester
Banner Associates, Inc.
P. O. Box 550
Laramie, WY 82070



Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 17, 1981

Steve Rea
Banner Associates, Inc.
P. O. Box 550
Laramie, WY 82070

RE: Black Mountain Village No. 2 Well, Water Quality Division Reference No. 80-472R

Dear Mr. Rea:

The revised plan and additional information you provided for the above referenced project has been reviewed and is acceptable. However, before I can take further action toward issuing a construction permit for the well, I will need at least two copies of the plan which have been sealed or signed by an engineer registered in Wyoming.

As soon as I receive the plans, a permit will be issued.

Very truly yours,

A handwritten signature in cursive script that reads "Theodore D. Coyer".

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

TCD/pjb

REVIEW OF PLANS AND SPECIFICATIONS

log of file

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

PROJECT: Black Mountain Village No. 2 Well

ARCHITECT OR ENGINEER: Larry Wester, P.E., Banner Associates, Inc.
P. O. Box 550
Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 80-472

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

DATE OF REVIEW: September 22, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Additional well construction details must be provided as follows:
 - A. Depth to which the well casing was grouted and length of casing installed.
 - B. Depth to top of screen, screen length, slot size, and sieve analysis of gravel pack.
 - C. Provisions for measuring the drawdown during operation must be provided.
 - D. Indicate the depth of the pump setting.
 - E. The casing vent must have at least a 1½ inch diameter opening covered with a 24 mesh, corrosion resistant screen.
2. Provide complete pump specifications.
3. The check valve in the pump discharge pipe should be located upstream from the gate valve.
4. The pump should be provided with a by-pass to waste pipe.
5. The air-vacuum relief valve discharge pipe shall be screened.
6. Gas chlorination of the well water discharge will not be permitted unless a separate room, properly designed and with required safety features is provided. However, a tap for some type of chlorination, such as with gas or sodium hypochlorite, is required.
7. Details or manufacturer's literature which shows the operation of the sand separator should be provided.
8. The pump house footings must be located below the depth of maximum frost penetration..



Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 14, 1981

Larry Wester, P.E.
Banner Associates, Inc.
P. O. Box 550
Laramie, WY 82070

Subject: Black Mountain Village No. 2 Well - Water Quality Division
Reference No. 80-472

Dear Mr. Wester:

On September 22, 1980, I wrote to you concerning some additional information that was necessary before we could approve the plans for the new Black Mountain Village well.

Since I have not received the information, I am wondering about the status of the project. Please advise.

Very truly yours,

A handwritten signature in cursive script that reads "Theodore D. Coyer".

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

TDC/jn

PERMIT TO CONSTRUCT

New

Permit No. 80-473

Renewal

Modified

MORNING STAR KENNELS

(Name of Facility)

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

Morning Star Kennels, c/o Ray Garland

Morris Construction, Box 563

Gillette, Wyoming 82716

to construct, install, or modify a subsurface sewage disposal

facility according to the procedures and conditions of the application

No. 80-473. The facility is located in Section 25,

T.50N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of 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.

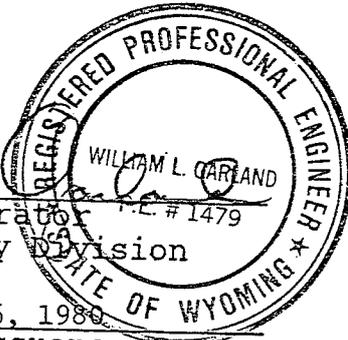
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

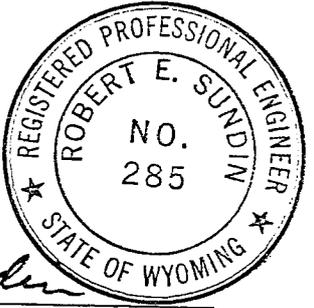
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

ing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
September 16, 1980
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Keith Neustel
P.O. Box 432
Buffalo, WY 82834

PERMIT TO CONSTRUCT

New

Permit No. 80-474

Renewal

Modified

Leisure Living Subdivision

(Name of Facility)

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

Park County Land Company - Russ Wiedekamp, President

P.O. Box 1015

Cody, WY 82414

to construct, install, or modify a municipal water distribution -
watewater collection

facility according to the procedures and conditions of the application

No. 80-474. The facility is located in Tract 74-E, T. 55N,
R. 99W

in the County of Park, 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.

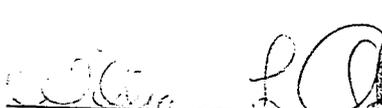
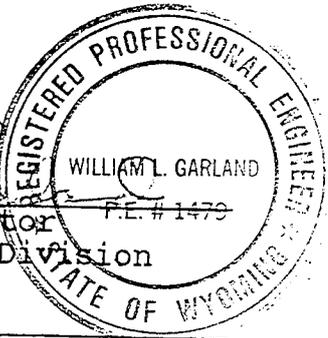
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

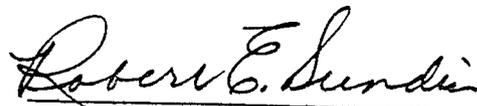
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

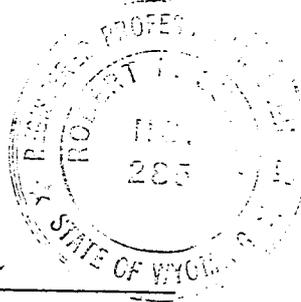
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:



Administrator
Water Quality Division
September 8, 1980
Date of Issuance


Director
Dept. of Environmental Quality



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

JH/kn

11
a. 26-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-476R

Laramie Energy Technology Center, North Site Research Facilities
(Name of Facility)

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

U.S. Department of Energy, Laramie Energy Tech. Center
P. O. Box 3395, University Station
Laramie, WY 82070

to construct, install, or modify a federal research wastewater
holding tanks

facility according to the procedures and conditions of the application
No. 80-476R. The facility is located in Section 21,
T16N, R17W

in the County of Albany, in the State of Wyoming. This permit
shall be effective for a period of two (2) years (five (5) years
maximum) from the date of issuance of this permit.

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

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

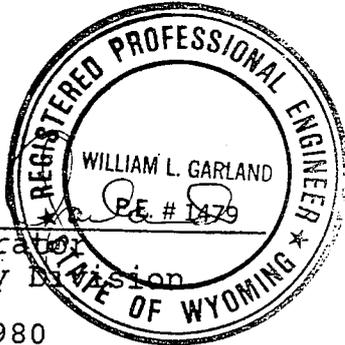
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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

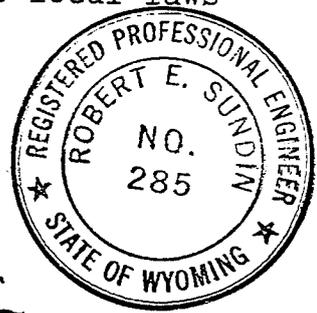
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality



September 16, 1980
Date of Issuance

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

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-477RR

JIM'S WATER SERVICE SKIM PONDS (SCHEDULES A and B)

(Name of Facility)

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

Jim's Water Service, Inc.

P.O. Box 2290

Gillette, Wyoming 82716

to construct, install, or modify a oily wastewater pond

facility according to the procedures and conditions of the application

No. 80-477RR. The facility is located in Section 1,

T.50N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of 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.

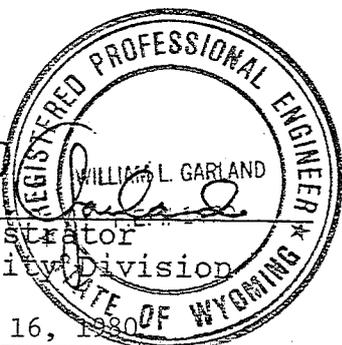
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

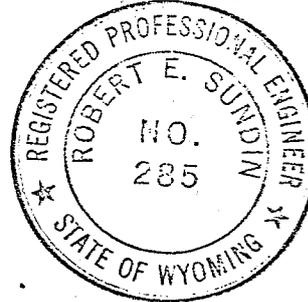
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
October 16, 1980
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Hoskins-Western-Sonderegger, Inc.
P.O. Box 2020
Gillette, Wyoming 82716

PERMIT TO CONSTRUCT

New

Permit No. 80-478R

Renewal

Modified

Wycon Chemical Company

(Name of Facility)

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

Wycon Chemical Company

P.O. Box 1287

Cheyenne, Wyoming 82001

to construct, install, or modify a storm water runoff retention

facility according to the procedures and conditions of the application

No. 80-478R. The facility is located in Section 16,

T13N. R67 W

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

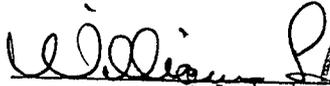
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

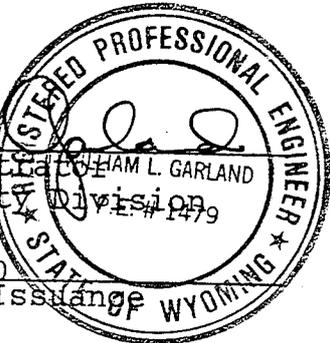
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

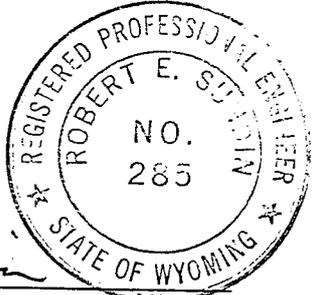
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrative
Water Quality Division
September 23, 1980
Date of Issuance




Director
Dept. of Environmental Quality



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

CC: Michael R. Patton
Wycon Chemical Company
P.O. Box 1287
Cheyenne, WY 82001

89-17

PERMIT TO CONSTRUCT

New

Permit No. 80-479

Renewal

Modified

BURMA ROAD CLINIC - SURGICAL ANNEX

(Name of Facility)

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

Mr. Timothy Hobson

720 West 8th Street

Gillette, Wyoming 82716

to construct, install, or modify a sanitary sewage collection

facility according to the procedures and conditions of the application

No. 80-479. The facility is located in Section 21,

T.50N., R.72W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

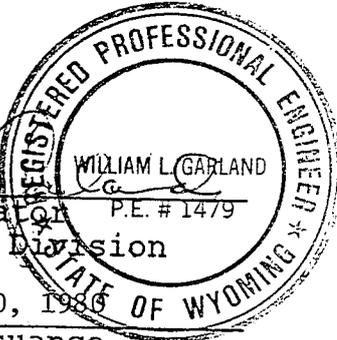
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

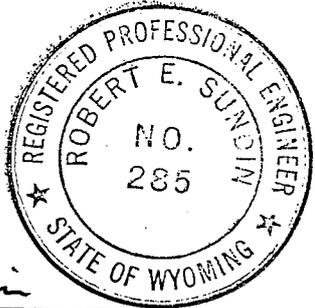
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. #1479
Water Quality Division
September 10, 1986
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: Charles Hruby, Jr.
Hoskins-Wester-Sonderegger, Inc.
P.O. Box 2020
Gillette, WY 82716

LEB m 11-10-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-480RRRR
(Ref. 79-518 and 78-676)

Red Mountain Mesa Subdivision Phase II
(Name of Facility)

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

Red Mountain Properties c/o Dan Smith

324 3rd Street

Evanston, WY 82930

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

facility according to the procedures and conditions of the application

No. 80-480RRRR. The facility is located in Sec. 16, T. 15N, R. 120W

in the County of Uinta, 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.

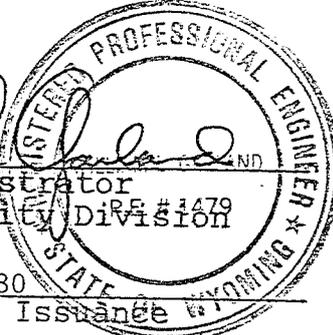
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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. Shultz
Administrator
Water Quality Division
October 29, 1980
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL/kn

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

PROJECT: Red Mountain Mesa Subdivision Phase II

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

OWNER: Red Mountain Properties
c/o Dan Smith
324 3rd Street
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 80-480R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 18, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: The following points have to be clarified to complete the review of the proposed subdivision before a "Permit to Construct" can be issued.

Sewer Lines

1. Line BS from Station 0+00 to 1+15 has a slope of 13.62% which results in a velocity of around 14 fps. To prevent potential erosion problems, a wear plate should be installed. Would it be possible to reduce the slope of this line, by using a drop manhole, and still maintain the minimum cover of 6.5 feet?
2. The sewer line discussed in item one is designed in 10 foot lengths with concrete anchors at 30 foot intervals. Twenty foot lengths with anchors at each joint may be less labor intensive and would still meet the Ten State Standards.
3. Line CS from Station 5+27.39 to Station 3+00 does not have the minimum of 6.5 feet cover. More cover is required. Can houses, in this section of line, get into the sewer?
4. Manhole at Station 1+15, line BS, is not listed as a drop manhole even though it is shown as such.
5. The Wyoming Public Works Standards specify solid manhole covers but the City of Evanston will require the covers be vented with perforated holes.
6. As a reminder, all drop inlet pipes in drop manholes should be totally encased in concrete as shown in standard drawing No. 401-01 of the Wyoming Public Works Standards.

Water Lines

1. Line BW does not have the minimum cover of 6.5 feet between Station 0+00 and Station 5+18.5. If there is to be fill placed in this area, it should be shown on the plans.

As you know, from now on, all plans that pertain to the City of Evanston will also be reviewed by Wayne Shepherd, City Engineer. In the future, please provide Wayne with a copy of any plans that are in the City of Evanston. Every effort will be made to make the review as soon as possible. If you have any questions, please call me at this office.

FL/kn

PERMIT TO CONSTRUCT

New

Permit No. 80-481R
REF. 79-2

Renewal

Modified

Wamsutter Water & Sewer Improvements
(Name of Facility)

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

Town of Wamsutter - Mayor James Hennek

P.O. Box 6

Wamsutter, Wyoming 82336

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

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

No. 80-481R. The facility is located in Sec.34, T20N, R94W

in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 2 years (five (5) years maximum) from the date of issuance of this permit.

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

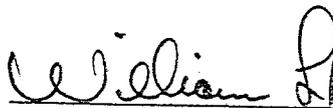
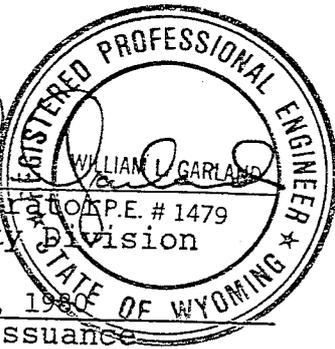
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

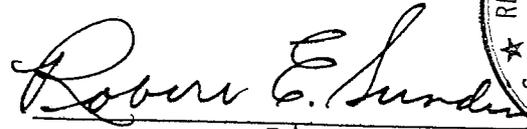
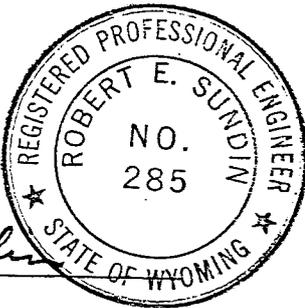
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:



Administrator P.E. # 1479
Water Quality Division
September 15, 1980
Date of Issuance



Director
Dept. of Environmental Quality

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

MRC/lh

17-20

PERMIT TO CONSTRUCT

New

Permit No. 80-482

Renewal

Modified

Robert Meloy - Lot 20, Westgate Park 11

(Name of Facility)

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

Larson Construction

P. O. Box 1527

Mills, WY 82644

to construct, install, or modify a industrial subsurface disposal
waste treatment facility

facility according to the procedures and conditions of the application

No. 80-482. The facility is located in Lot 20, Westgate
Park 11, Section 34, T34N, R80W

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 Environ-
mental Quality has evaluated and determined that the application meets
minimum applicable construction and design standards. The compliance
with construction standards and the operation and maintenance of the
facility to meet the applicant's engineer's design are the responsi-
bility of the applicant, owner, or operator.

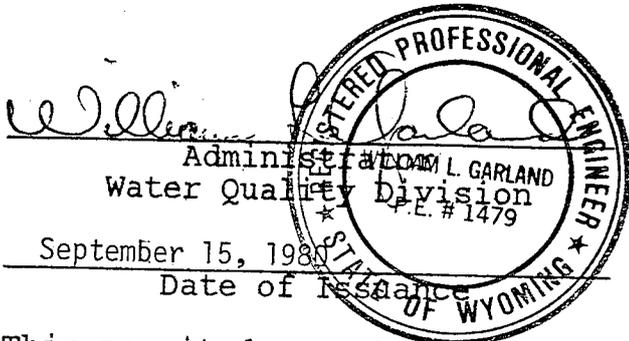
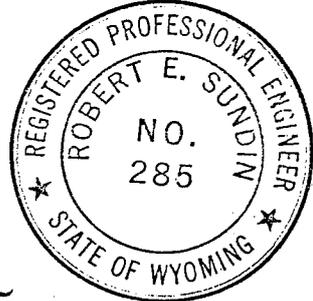
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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

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

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

AUTHORIZED BY:



Robert E. Sundin
Director
Dept. of Environmental Quality

William L. Garland
Administrator
Water Quality Division
September 15, 1980
Date of Issuance

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

P. 2-10-50

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-483
Ref. No. 80-37

Motel 6, Knoll Addition/Skyline Plaza Addition Water Line
(Name of Facility)

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

Norval D. Johnson

P. O. Box 1030

Laramie, WY 82070

to construct, install, or modify a public water supply distribution system

facility according to the procedures and conditions of the application

No. 80-483. The facility is located in Section 9,

T15N, R73W

in the County of Albany, 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.

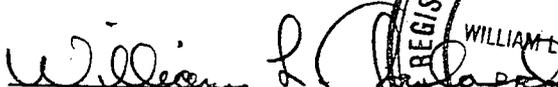
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

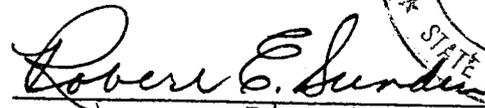
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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


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

September 11, 1980
Date of Issuance

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

cc: Philip M. Hoyt
Laramie Engineering
504 South 4th Street
Laramie, WY 82070

PERMIT TO CONSTRUCT

New

Permit No. 80-484R

Renewal

Modified

Sheridan East Subdivision

(Name of Facility)

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

Park County Land Company

J.H. Kincheloe, Treasurer

P.O. Box 1015

Cody, WY 82414

to construct, install, or modify a Municipal Water Distribution
and Wastewater Collection Systems

facility according to the procedures and conditions of the application

No. 80-484R. The facility is located in Tract 71, T53N, R101W

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

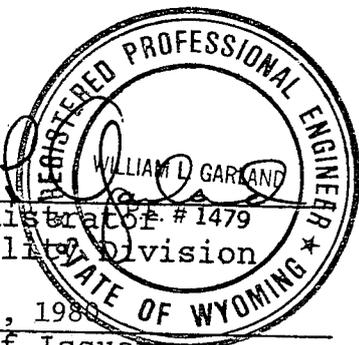
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

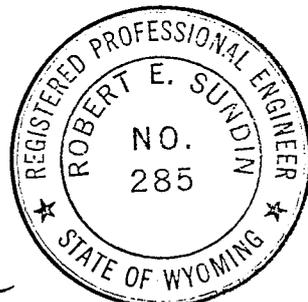
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
Administrative # 1479
Water Quality Division
September 19, 1988
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

JCH/lh

PERMIT TO CONSTRUCT

New

Permit No. 80-485R

Renewal

Modified

Woodridge Estates Water and Sewer Line Extensions

(Name of Facility)

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

Pulte Homes Corporation - Agent: Howard M. Johnson

P.O. Drawer 1305

Laramie, WY 82070

to construct, install, or modify water and sewer line
extensions (Riverton)

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

No. 80-485R. The facility is located in Sec. 26, T. 1N,
R. 4E

in the County of Fremont, 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.

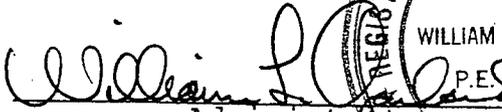
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

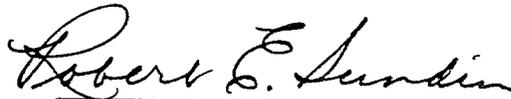
AUTHORIZED BY:


WILLIAM L. GARLAND
P.E. # 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

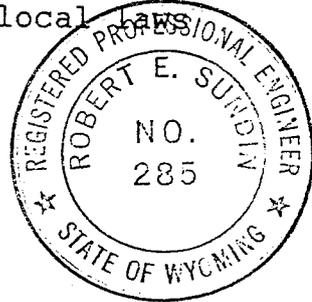
Administrator
Water Quality Division

September 26, 1980

Date of Issuance



Director
Dept. of Environmental Quality



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

MRC/kn

PERMIT TO CONSTRUCT

New

Permit No. 80-486

Renewal

Modified

Park Village East Townhouse P.U.D.

(Name of Facility)

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

Moss Miles - Agent: Howard M. Johnson

P.O. Box X

Jackson, WY 83001

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

~~XXXXXX~~ according to the procedures and conditions of the application
No. 80-486. The facility is located in Sec. 35, T. 1N, R. 4E

in the County of Fremont, 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.

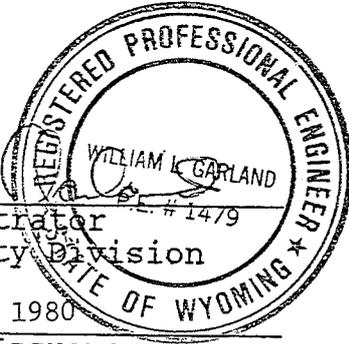
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

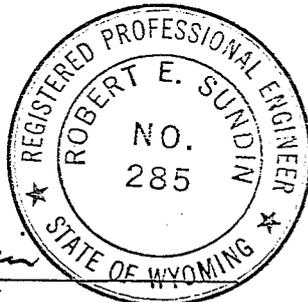
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 K. Garland
Administrator
Water Quality Division
September 11, 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.

MRC/kn

LEJ
9-26-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-487

Nagel Plaza Sewer Line
(Name of Facility)

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

Casper Board of Public Utilities
200 N. David
Casper, WY 82601

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

facility according to the procedures and conditions of the application
No. 80-487. The facility is located in the area of Collins
Drive & South Kimball, Sec. 9, T33N, R79W

in the County of Natrona, in the State of Wyoming. This permit
shall be effective for a period of two (2) years (five (5) years
maximum) from the date of issuance of this permit.

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

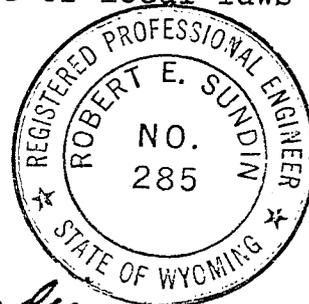
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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

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

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

AUTHORIZED BY:



William L. Garland
Administration **WILLIAM L. GARLAND**
Water Quality Division **P.E. # T479**
September 18, 1980
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. 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. GARLAND" and the number "P.E. # T479".

Robert E. Sundin
Director
Dept. of Environmental Quality

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

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

6/6
9/16/00

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-488
Ref. No. 79-447

Shirley Maintenance Camp
(Name of Facility)

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

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

to construct, install, or modify a maintenance camp wastewater
collection and small subsurface and evaporative wastewater treatment

facility according to the procedures and conditions of the application
No. 80-488. The facility is located in Section 11,
T28N, R80W

in the County of Carbon, in the State of Wyoming. This permit
shall be effective for a period of two (2) years (five (5) years
maximum) from the date of issuance of this permit.

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

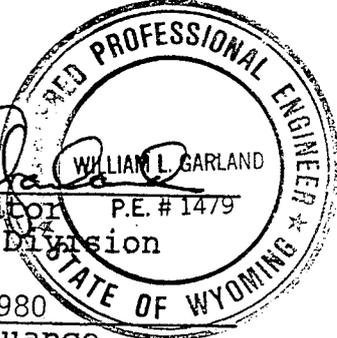
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

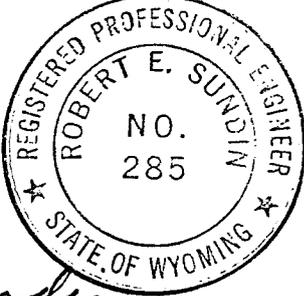
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. #1479
Water Quality Division
September 18, 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: Gary Brown
Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82001

8-26-80

PERMIT TO CONSTRUCT

New

Permit No. 80-489

Renewal

Modified

Golden Clover Mine

(Name of Facility)

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

T Minerals, Inc.

P. O. Box 601

Encampment, WY 82325

to construct, install, or modify a industrial evapotranspiration.
wastewater treatment

facility according to the procedures and conditions of the application

No. 80-489. The facility is located in Section 26, T14N,
R82W

in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

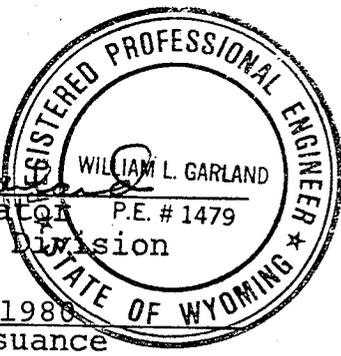
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

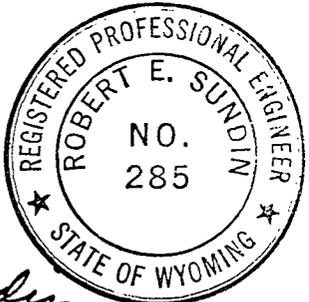
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division
 September 22, 1980
 Date of Issuance



Robert E. Sunden
 Director
 Dept. of Environmental Quality



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

cc: Paul McCarthy
Robert Jack Smith and Associates
P. O. Box 1104
Rawlins, WY 82301

3-8-84

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 8, 1984

Mr. James R. Croxton
P.O. Box 4397
Casper, WY 82604

Dear Mr. Croxton:

On February 13, 1984, a status letter was sent to you concerning a permit to construct, reference number (80-490), facility name KOA Wardwell. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process. Your permit to construct number 82-303R, KOA Sanitary Dump Station, is valid and did authorize construction of the dump station. No further action is required for that permit.

This project (WQD #80-490) has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

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

LCF/nc



P. O. BOX 4397
TELEPHONE (307) 237-4123

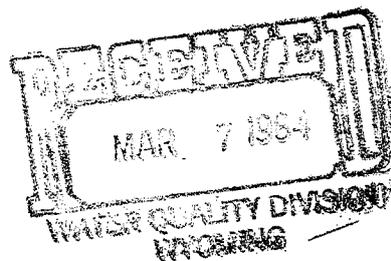
Fort Wardwell KOA

Franchisee of Kampgrounds of America, Inc.

CASPER, WYOMING 82604

March 5, 1984

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division
Department of Environmental Quality
1111 East Lincolnway
Cheyenne, WY 82002

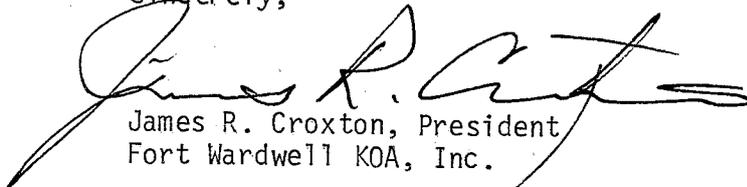


Dear Mr. Feusner:

In response to your letter of February 23, 1984, enclosed is a photocopy of Permit No. 82-303R issued to Fort Wardwell KOA, Inc., under which the proposed sanitary dump station was constructed.

If I can be of further assistance, please let me know.

Sincerely,


James R. Croxton, President
Fort Wardwell KOA, Inc.

Enclosure

1c

2-24-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 23, 1984

Mr. James Croxton
P.O. Box 4397
Casper, WY 82604

Dear Mr. Croxton:

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

Facility name:	KOA Wardwell
DEQ/WQD Reference Number:	80-490
Engineering Consultant:	None
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	October 1, 1980

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

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

The application will be resubmitted within 30 days.

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

Other remarks _____

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

Sincerely,



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



2-15-84

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Mr. James R. Croxton
Wardwell Development
7400 Salt Creek Route, Box 1
Casper, WY 82601

Dear Mr. Croxton:

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

Facility name:	KOA Wardwell
DEQ/WQD Reference Number:	<u>80-490</u>
Engineering Consultant:	None
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	October 1, 1980

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

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

The application will be resubmitted within 30 days.

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

Other remarks _____

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

Sincerely,

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

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

PERMIT TO CONSTRUCT

New

Permit No. 80-491R

Renewal

Modified

Yellowstone Village

(Name of Facility)

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

City of Cheyenne, City Engineers

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a wastewater collection
system extension

facility according to the procedures and conditions of the application

No. 80-491R. The facility is located in Yellowstone

Addition to Cheyenne

in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

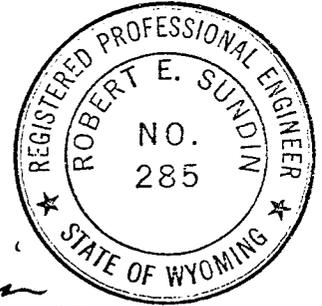
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
STATE OF WYOMING



Robert E. Sunden
Director
Dept. of Environmental Quality

September 24, 1980
Date of Issuance

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

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

PERMIT TO CONSTRUCT

New

Permit No. 80-492RR

Renewal

Modified

WILDERLAND SUBDIVISION

(Name of Facility)

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

Don Gratz

P.O. Box 2736

Gillette, Wyoming 82716

to construct, install, or modify a public water supply and dis-
tribution and wastewater collection

facility according to the procedures and conditions of the application

No. 80-492RR. The facility is located in Section 7,

T.49N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of 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.

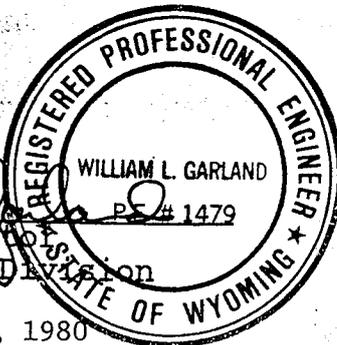
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

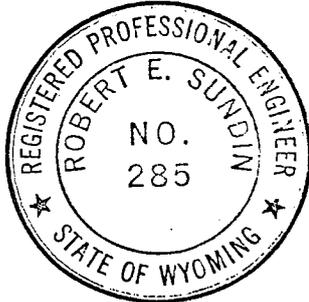
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
WILLIAM L. GARLAND
PE # 1479
Administrator
Water Quality Division
STATE OF WYOMING


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

November 26, 1980

Date of Issuance

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

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

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Wilderland Sites Development

ARCHITECT OR ENGINEER: Scott Engineering Company
P.O. Box 2097
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 80-492

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: 10/31/80

ACTION: Not Authorized for Construction (See Comments)

COMMENTS:

1. What foundation investigations were made for the water storage tank?
2. Storage tank disinfection specifications must be provided.
3. Will the storage tank overflow or drain cause runoff over private property?
4. What is the arrangement and purpose of the backflow prevention equipment shown on sheet 3?
5. The legend on sheet P3 should match the specifications and the rest of the drawings.
6. The 3" line leading from the fire pump is too small. Water at 510 gpm would travel through the pipe at over 22 feet per second resulting in excessive head loss.
7. The sewage pumps should be capable of passing a 4-inch sphere.
8. Water system design appears good at this time. Please note that firm yeild and drawdown data for this well will be needed in order to approve future phases of the development.
9. Was standby power considered for the water system? Fire pump? Lift station pumps?
10. Please forward a second copy of all the supplemental materials dated October 31, 1980, except the AWWA standard D-103.

C Neal Carpenter,
President
N. Kent Baker
Eugene R. Brauer
Gordon W. Bruchner
Patrick C. Dwyer
Robert J. Shreve
Dale J. Steichen
Robert D. Thomas
y R Windolph

ARIX

A Professional Corporation
Engineers Architects Planners

609 East Madison
Suite 1
Riverton, Wyoming 82501
307 856 6505

February 16, 1981

Project No. 79140.02

Department of Environmental Quality
Water Quality Division
933 Main
Lander, Wyoming 82520

Attention Frank LaBarge

Dear Frank:

SUBJECT: PERMIT NO. 80-493, JACKSON SEWER INTERCEPTOR, SCHEDULE I

Due to right-of-way difficulties on the above referenced project,
I request that you withdraw Permit No. 80-493.

Please refer to revised plans dated 1-29-81, as submitted on
2-12-81.

Respectfully,

ARIX, A Professional Corporation

Dennis Whitehead

Dennis Whitehead, Engineering Designer
for Clay McAlpine, P.E., L.S.

DW:riw



PERMIT TO CONSTRUCT

New

Permit No. 80-493R

Renewal

EPA C560102

Modified

Jackson Sewer Interceptor Line
(Name of Facility)

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

Town of Jackson

P.O. Box 1687

Jackson, Wyoming 83001

to construct, install, or modify a sewer interceptor

facility according to the procedures and conditions of the application

No. 80-493R. The facility is located in Sec. 36, T. 41N,
R. 116W; Sec. 2, T. 40N, R. 116W

in the County of Teton, 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.

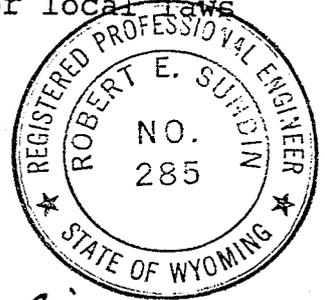
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

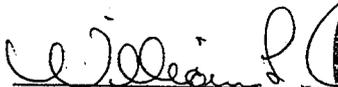
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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.L.# 1479
Water Quality Division
STATE OF WYOMING


Director
Dept. of Environmental Quality

October 6, 1980
Date of Issuance

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

FL/yh

President
 N. Kent Baker
 Eugene R. Brauer
 Gordon W. Bruchner
 Patrick C. Dwyer
 Robert J. Shreve
 Dale J. Steichen
 Herbert D. Thomas
 R. Windolph



A Professional Corporation
 Engineers Architects Planners

609 East Madison
 Suite 1
 Riverton, Wyoming 82501
 307 856 6505

ADDENDUM NO. 1

OWNER: Town of Jackson
 Post Office Box 1687
 Jackson, Wyoming 83001

DATE: December 1, 1980

ENGINEER: ARIX, A Professional Corporation
 609 East Madison, Suite 1
 Riverton, Wyoming 82501

PROJECT: 79140.02
 JACKSON SEWER INTERCEPTOR

TO: ALL PLAN HOLDERS OF RECORD

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS FOR THE ABOVE CAPTIONED PROJECT. ALL REQUIREMENTS OF THE PROJECT MANUAL ARE IN FULL FORCE AND EFFECT FOR ALL ITEMS OF THIS ADDENDUM. FAILURE TO ACKNOWLEDGE THIS ADDENDUM ON THE BID FORM MAY SUBJECT BIDDER TO BE DISQUALIFIED.

- (1) Ref: Section 02230 - Pipe Boring & Jacking, Page 02230-2.

The table indicating required steel casing sizes and thickness has been changed. Use the following table in place of the one provided in the specifications:

UTILITY PIPE	STEEL CASING SIZE	THICKNESS
27" A.C.	42"	.25"
24" A.C.	38"	.25"
18" A.C.	32"	.25"
16" A.C.	32"	.25"
27" R.C.P.	45"	.25"
24" R.C.P.	40"	.25"
18" R.C.P.	36"	.25"
15" R.C.P.	30"	.188"
30" D.I.P.	48"	.3125"
24" D.I.P.	40"	.25"
18" D.I.P.	34"	.25"
14" D.I.P.	28"	.188"

- (2) A new bid schedule has been included to indicate the new casing sizes. Replace the bid schedule included in the specifications.
- (3) Disregard casing schedule on detail titled "Waterway Crossings". Refer to enclosed table.

- (4) Rim elevation for Manhole 47 on page 13 of the Construction Plans should be 6197.5 instead of 6175.50.
- (5) There will be no exterior coating required on steel casing.

ARIX

Clay McAlpine

Clay McAlpine, P.E., & L.S.

REVISED - DECEMBER 1, 1980

BID FORM

PROJECT: Sewer Interceptor Line
Project No. 79140.02
Federal Sewage Works Grant No. C 560102-13

TO: Town of Jackson
Post Office Box 1687
Jackson, Wyoming 83001

THE UNDERSIGNED BIDDER, having familiarized himself with the conditions affecting the performance of the work and with the Contract Documents, including the Advertisement for Bids, Information for Bidders, Bid, Bid Bond, Agreement, Payment Bond, Performance Bond, Notice of Award, Notice to Proceed, Drawings, Specifications and all Addenda thereto, as prepared by ARIX, A Professional Corporation, all of which are made a part hereof, hereby proposes, in accordance with said Contract Documents, to furnish all plant, equipment, labor, materials and supervision to perform the work summarized hereafter on each Bid Schedule upon which a proposal amount is inserted.

The total bid for each Bid Schedule includes all work necessary to complete that portion of the project described in each Bid Schedule, and the total of all Bid Schedules represents the entire scope of work covered by the Contract Documents. If a particular item of work is not specifically separated as a bid item, the cost therefor shall be included in the bid item most nearly related.

The total bid for each Bid Schedule is based on the quantities shown on the Bid Form and on the dimensions shown on the plans where specific quantities are not itemized. When Bid Schedules are based upon unit prices, the Contract Amount will be adjusted by change order at the corresponding unit prices according to the actual quantities and measurement of the finished construction as determined by the Engineer upon completion of construction.

BID SCHEDULE I

For the performance of all work necessary to complete construction of the Sewer Interceptor utilizing reinforced concrete pipe, as defined in the Contract Documents.

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1.	27" Diameter RCP, Class III	1,150	L.F.	\$ _____	\$ _____
2.	24" Diameter RCP, Class III	7,500	L.F.	\$ _____	\$ _____
3.	21" Diameter RCP, Class III	2,750	L.F.	\$ _____	\$ _____
4.	18" Diameter RCP, Class III	1,100	L.F.	\$ _____	\$ _____
5.	18" Diameter RCP, Class IV	1,675	L.F.	\$ _____	\$ _____
6.	15" Diameter RCP, Class IV	2,050	L.F.	\$ _____	\$ _____
7.	Bore for 30" Casing	1	L.S.	\$ _____	\$ _____
8.	Bore for 40" Casing	1	L.S.	\$ _____	\$ _____
9.	Bore for 45" Casing	1	L.S.	\$ _____	\$ _____
10.	30" Steel Casing In Place	150	L.F.	\$ _____	\$ _____
11.	36" Steel Casing In Place	100	L.F.	\$ _____	\$ _____
12.	40" Steel Casing In Place	230	L.F.	\$ _____	\$ _____
13.	45" Steel Casing In Place	150	L.F.	\$ _____	\$ _____
14.	4" Service Tap	20	ea.	\$ _____	\$ _____
15.	6" Service Tap	3	ea..	\$ _____	\$ _____
16.	Manholes, 48" ID, Precast, Complete with Rungs and Foundation (6' depth)	29	ea.	\$ _____	\$ _____
17.	Manholes, 60" ID, Precast, Complete with Rungs and Foundation (6' depth)	31	ea.	\$ _____	\$ _____
18.	Drop Manholes, 60" ID, Precast, Complete with Rungs and Foundation (6' depth)	2	ea.	\$ _____	\$ _____
19.	Each Additional Vertical foot for 48" diameter manhole	130	L.F.	\$ _____	\$ _____
20.	Each Additional Vertical foot for 60" diameter manhole	183	L.F.	\$ _____	\$ _____
21.	Manhole Ring and Cover In Place	49	ea.	\$ _____	\$ _____
22.	Watersealed Manhole Ring and Cover In Place	13	ea.	\$ _____	\$ _____
23.	Asphalt Replacement 3" thick including Base Material In Place	3,150	L.F.	\$ _____	\$ _____
24.	Asphalt Replacement 6" thick including Base Material In Place	500	L.F.	\$ _____	\$ _____
25.	Concrete Curb and Gutter In Place	260	L.F.	\$ _____	\$ _____
26.	Landscaping and Keseeding	10	Acre	\$ _____	\$ _____
27.	Granular Bedding Material (1 1/2" to No. 4)	3,500	Cu. Yd.	\$ _____	\$ _____
28.	Rip Rap	100	Cu. Yd.	\$ _____	\$ _____
29.	Replace and Restore Irrigation Pipe and Headwall at Sta. 124+50	1	L.S.	\$ _____	\$ _____
30.	Sanitary Junction Box at Sta. 0+00	1	L.S.	\$ _____	\$ _____
31.	4" P.V.C., SDR 35	500	L.F.	\$ _____	\$ _____
32.	6" P.V.C., SDR 35	300	L.F.	\$ _____	\$ _____
33.	Concrete, 3000 PSI In Place	300	Cu. Yd.	\$ _____	\$ _____

BID SCHEDULE I (Continued)

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
34.	Reinforcing Bars #3, 60 KSI In Place	1,500	LBS.	\$ _____	\$ _____
35.	Soil Retention Blankets In Place	350	Sq. Yd.	\$ _____	\$ _____
36.	Road Gravel (3/4" max.) 4" thick In Place	500	L.F.	\$ _____	\$ _____
37.	6" Watermain Crossing and Relocation, (Special Construction Standard Detail 1A, Project Manual)	1	ea.	\$ _____	\$ _____
38.	8" Watermain Crossing and Relocation, (Special Construction Standard Detail 1A, Project Manual)	1	ea.	\$ _____	\$ _____
Subtotal, Items 1 thru 15				\$ _____	
Subtotal, Items 16 thru 38				\$ _____	

TOTAL, BID SCHEDULE I, ITEMS 1 THROUGH 38

\$ _____
(Figures)

Dollars

(Writing)

The undersigned hereby proposes to perform all work for the following Alternates under Bid Schedule I as described in Section 01100 - Alternates, for the amount stated.

ALTERNATE BID SCHEDULE NO. IA: Construction of the Sewer Interceptor utilizing Ductile Iron pipe as defined in the Contract Documents. The Items correspond to like numbered items under Base Bid, Bid Schedule I:

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1A.	30" Diameter DIP Class 50 Cement Lined	1,150	L.F.	\$ _____	\$ _____
2A.	24" Diameter DIP Class 50 Cement Lined	7,500	L.F.	\$ _____	\$ _____
3A.	20" Diameter DIP Class 50 Cement Lined	2,750	L.F.	\$ _____	\$ _____
4A.	18" Diameter DIP Class 50 Cement Lined	2,775	L.F.	\$ _____	\$ _____
5A.	"Deleted" (Included in 4A)				
6A.	14" Diameter DIP Class 50 Cement Lined	2,050	L.F.	\$ _____	\$ _____
7A.	Bore for 28" Casing	1	L.S.	\$ _____	\$ _____
8A.	Bore for 40" Casing	1	L.S.	\$ _____	\$ _____
9A.	Bore for 48" Casing	1	L.S.	\$ _____	\$ _____
10A.	28" Steel Casing In Place	150	L.F.	\$ _____	\$ _____

(Continued)

BID SCHEDULE IA (Continued)

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
11A.	34" Steel Casing In Place	100	L.F.	\$ _____	\$ _____
12A.	40" Steel Casing In Place	230	L.F.	\$ _____	\$ _____
13A.	48" Steel Casing In Place	150	L.F.	\$ _____	\$ _____
14A.	4" Service Tap (D.I. Pipe)	20	ea.	\$ _____	\$ _____
15A.	6" Service Tap (D.I. Pipe)	3	ea.	\$ _____	\$ _____
16 thru 38 (Bid Schedule I)				\$ _____	\$ _____

TOTAL, BID SCHEDULE NO. IA, ITEMS 1A THROUGH 15A AND ITEMS 16 THROUGH 38

\$ _____
(Figures)

Dollars

(Writing)

ALTERNATE BID SCHEDULE NO. IB: Construction of the Sewer Interceptor utilizing Asbestos-Cement pipe as defined in the Contract Documents. The Items correspond to like numbered items under Base Bid, Bid Schedule I:

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1B.	27" Diameter A.C., Class 4000	1,150	L.F.	\$ _____	\$ _____
2B.	24" Diameter A.C., Class 4000	7,500	L.F.	\$ _____	\$ _____
3B.	21" Diameter A.C., Class 4000	2,750	L.F.	\$ _____	\$ _____
4B.	18" Diameter A.C., Class 4000	1,100	L.F.	\$ _____	\$ _____
5B.	18" Diameter A.C., Class 5000	1,675	L.F.	\$ _____	\$ _____
6B.	16" Diameter A.C., Class 6000	2,050	L.F.	\$ _____	\$ _____
7B.	Bore for 32" Casing	1	L.S.	\$ _____	\$ _____
8B.	Bore for 38" Casing	1	L.S.	\$ _____	\$ _____
9B.	Bore for 42" Casing	1	L.S.	\$ _____	\$ _____
10B.	32" Steel Casing in Place	150	L.F.	\$ _____	\$ _____
11B.	32" Steel Casing in Place	100	L.F.	\$ _____	\$ _____
12B.	38" Steel Casing in Place	230	L.F.	\$ _____	\$ _____
13B.	42" Steel Casing in Place	150	L.F.	\$ _____	\$ _____
14B.	4" Service Tap	20	ea.	\$ _____	\$ _____
15B.	6" Service Tap	3	ea.	\$ _____	\$ _____
16 thru 38 (Bid Schedule I)				\$ _____	\$ _____

TOTAL, BID SCHEDULE NO. IB, ITEMS 1B THROUGH 15B AND ITEMS 16 THROUGH 38

\$ _____
(Figures)

Dollars

(Writing)

The undersigned hereby proposes to perform all work for the following Alternates under Bid Schedule II as described in Section 01100 - Alternates, for the amount stated.

ALTERNATE BID SCHEDULE NO. IIA: Construction of the Sewer Interceptor utilizing Ductile Iron pipe as defined in the Contract Documents. The Items correspond to like numbered items under Base Bid, Bid Schedule II:

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1A.	18" Diameter DIP Class 50 Cement Lined	165	L.F.	\$ _____	\$ _____
2A.	14" Diameter DIP Class 50 Cement Lined	1,750	L.F.	\$ _____	\$ _____
3A.	12" Diameter DIP Class 50 Cement Lined	880	L.F.	\$ _____	\$ _____
4A.	4" Service Tap (D.I. Pipe)	10	ea.	\$ _____	\$ _____
5A.	6" Service Tap (D.I. Pipe)	4	ea.	\$ _____	\$ _____
6 thru 15 (Bid Schedule II)				\$ _____	

TOTAL, BID SCHEDULE IIA, ITEMS 1A THROUGH 5A AND ITEMS 6 THROUGH 15

\$ _____
(Figures)

Dollars

(Writing)

ALTERNATE BID SCHEDULE NO. IIB: Construction of the Sewer Interceptor utilizing Asbestos Cement pipe as defined in the Contract Documents. The Items correspond to like numbered items under Base Bid, Bid Schedule II:

<u>Item</u>	<u>Description</u>	<u>Est. Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1B.	18" Diameter A.C., Class 5000	165	L.F.	\$ _____	\$ _____
2B.	16" Diameter A.C., Class 4000	1,750	L.F.	\$ _____	\$ _____
3B.	12" Diameter A.C., Class 4000	880	L.F.	\$ _____	\$ _____
4B.	4" Service Tap (A.C. Pipe)	10	ea.	\$ _____	\$ _____
5B.	6" Service Tap (A.C. Pipe)	4	ea.	\$ _____	\$ _____
6 thru 15 (Bid Schedule II)				\$ _____	

TOTAL, BID SCHEDULE IIB, ITEMS 1B THROUGH 5B AND ITEMS 6 THROUGH 15

\$ _____
(Figures)

Dollars

(Writing)

Supplemental unit prices may, when included on the Bid Form, be used as a basis to adjust the Contract Amount by change order should it become necessary, in the opinion of the Owner or Engineer, to add or deduct work not otherwise subject to adjustment by stipulated unit prices.

If awarded a contract, the undersigned Bidder agrees to complete the work within the following number of calendar days after issuance of the Notice to Proceed:

Bid Schedule I, IA or IB - 210 Days
Bid Schedule II, IIA or IIB - 90 Days

If award of both schedules made to a single Contractor, time of completion for Schedule I shall apply.

Bidder further agrees to pay as liquidated damages, the following sums for each consecutive calendar day thereafter that the work remains uncompleted:

Bid Schedule I - \$250/Day
Bid Schedule II - \$250/Day

If award of both schedules made to a single Contractor, time of completion for Schedule I shall apply.

THE UNDERSIGNED BIDDER HEREBY EXPRESSLY ACKNOWLEDGES HIS UNDERSTANDING OF AND HIS AGREEMENT TO COMPLY DURING THE PERFORMANCE OF ANY WORK UNDER ANY CONTRACT RESULTING FROM THIS BID WITH ALL EQUAL OPPORTUNITY OBLIGATIONS AS SET FORTH IN 40 CFR PART 8 AND 41 CFR PARTS 60-1 AND 60-4.

The Bidder certifies that this bid is genuine and is not made in the interest of, or in the behalf of, any undisclosed person, firm, or corporation, and that this bid has been arrived at independently, without consultation, communication or agreement as to any matter relating to this bid with any other Bidder or competitor.

The Bidder acknowledges receipt of the following Addenda: _____

Date: _____ Firm Name: _____

Business Address: _____

_____ By: _____

_____ Title: _____

*Department of Environmental Quality**Water Quality Division*

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002
MEMORANDUM

TELEPHONE 307 777-7781

TO: Robert E. Sundin, Director, Department of Environmental Quality

THROUGH: William L. Garland, Administrator *wlg*

FROM: A. J. Mancini, Environmental Engineer

DATE: October 3, 1980

SUBJECT: Comments on "Environmental Report Sand Rock Mill Project - Campbell County, Wyoming" (Conoco, Inc.)

The compilers of the subject document appear to be cognizant of the Wyoming Department of Environmental Quality general requirements concerning permitting of a uranium mill and facilities. The following remarks reflect an attempt on my part to state specific concerns relative to groundwater quality protection, and other associated concerns.

1. A permit to construct is required for tailings disposal and the evaporation pond; each activity requires an application, or both can be included in the same application.
2. After a permit is issued, each proposed modification (such as adding a lift to an impounding structure) requires a permit for the modification, before the modification is implemented.
3. A sewage disposal facility requires a permit to construct.
4. Runoff ponds also require permitting by the Water Quality Division.
5. The applicant should be cognizant of the Department of Environmental Quality, Water Quality Division's Oil and Hazardous Substances Pollution Contingency Plan and refer to it as part of the chemical spill program.
6. The evaporation pond apparently has been designed to seep fluid (and contaminants) to the subsurface. This design may not be approved (a permit to construct may not be issued) if the staff analysis indicates

*This is an
EIS**File
80-494*

Robert E. Sundin
October 3, 1980

that ambient water quality, or existing groundwater uses, will be adversely impacted by the seepage. Groundwater will be protected according to the provisions of Water Quality Rules and Regulations, Chapter VIII (1980).

7. It appears that groundwater levels in wells both in and outside of the permit area will be lowered by proposed dewatering; this impact has not been adequately addressed.

8. A number of tables provide data on aquifer characteristics and groundwater quality; the intervals and formations represented by water quality data are not indicated and data analysis is hindered.

9. There probably is a valid reason why all holes listed in Table 2.7-1 are not shown on Figure 2.7-3; the reader should know "why". The same applies for tables 2.7-2, 2.7-3, and Figure 2.7-3.

10. Figure 2.7-6 shows the locations of pre-operational monitoring wells; there is an inadequate number of such wells, and more will be required by the Department of Environmental Quality.

11. I would like to see geologic cross-sections which show the pit(s), groundwater levels before, during, and after mining, the 70 sand and 50-40 sand aquifers and other significant geohydrologic features and impacts on nearby wells (lowered water levels).

12. Analysis of quality of water to be used for mill water supply (domestic) should be provided; analysis should be for individual aquifer sources. Geohydrologic data for each source should be given.

13. There is an implication that some contamination of groundwater will occur, but there is no description of action(s) that will be taken in the event such contamination is indicated by monitoring. This apparent oversight should be adequately addressed.

AJM/md

11-10-80

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-495
Ref. 76-97
WITH SPECIAL CONDITIONS

Missouri Basin Power Project - Laramie River Station
(Name of Facility)

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

Basin Electric Power Cooperative

1717 East Interstate Avenue

Bismarck, North Dakota 58501

to construct, install, or modify an ash pond by installing Hypalon liners in cells numbers 2 and 3.

facility according to the procedures and conditions of the application

No. 80-495. The facility is located in Section 28,
Ref. 76-97
T25N, R67W

in the County of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

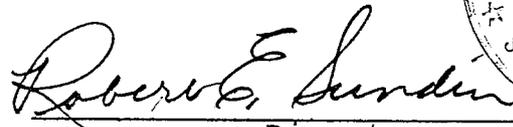
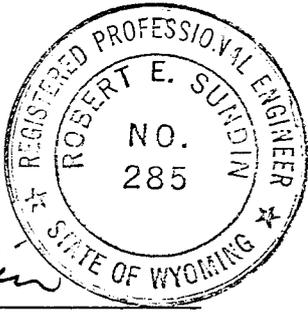
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator P.E. # 1479
Water Quality Division
September 25, 1980
Date of Issuance



Director
Dept. of Environmental Quality

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

SPECIAL CONDITIONS

Plans for a groundwater monitoring system, which is to be used as a leak detection system for ash ponds 2 and 3, shall be submitted for review and approval on or before November 28, 1980. The plans shall include but not be limited to the following information:

- A. Direction of flow and gradient of the groundwater.
- B. Location and design of the proposed monitoring wells.
- C. A proposed monitoring program.



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Tony Mancini
FROM: Mic Brenoel ~~MB~~
DATE: August 13, 1981
SUBJECT: Missouri Basin Power Project, Laramie River Station, Water Quality Monitoring Program, DEQ/WQD Ref. No. 80-495

Skimming through these files has led me to believe that your requests for:

- a. updated map (1981)
- b. revised H2O Quality Monitoring Plan
- c. supportive data pertaining to Basin Power's leachate study (hydrogeologic data)

have not been satisfied by "Basin Electric". The last response from "Basin Electric" is dated April 15, 1981 and is addressed to Jake Strohman. This letter addresses the recent change in monitoring submittals to the computerized print out format. I would like to suggest that when a monitoring site is not sampled in two consecutive sampling periods, we should receive a written explanation in addition to the computer code. Some of the monitoring locations have a questionable sampling history already.

I would like to see some groundwater ~~flow~~ information on this site also. I would also like to see an analysis of their flyash (top and bottom) composition, and the SO2 scrubber sludge composition. Actually a leachate analysis from these products would be more helpful.

Basin Power has mentioned that they were compiling a summary of the water quality data collected from March 1977 to the present. I would like to see this.

It appears that no samples have been split with this organization since the projects onset in 1976. Certainly, this would be appropriate in order to ascertain the manner of sampling and handling techniques being employed. I don't think that we should generally wait 5 years to undertake "split sampling". This procedure is quite informative in lending credibility to various programs and should be employed at least annually.

Although I anticipate no major problems at this site I would suggest that we "clear the air" internally as to the status of their water quality monitoring program and possibly conduct an on-site inspection with Mr. Erickson of Basin Power and our engineer, LeRoy Feusner.

cc: LeRoy Feusner

Lif 7-16-81



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 10, 1981

Mr. Allen E. Cates
T.I.M. Corporation
P. O. Box 4629
Lafayette, LA 70502

RE: T.I.M. Corporation Wastewater Disposal Facility, Glenrock, Wyoming,
DEQ/WQD Ref. No. 80-496RR

Dear Mr. Cates:

On June 29, 1981, personnel from the Water Quality Division conducted an on-site inspection of the wastewater disposal facility at the T.I.M. Corporation near Glenrock, Wyoming. The on-site inspection revealed that compliance with minimum State of Wyoming standards had been satisfactorily met for the pond construction. Approval of the wastewater disposal facility is hereby granted, provided that the following special condition are met.

1. The concentration of paraformaldehyde in the pond shall not exceed 10 mg/l.
2. T.I.M. Corporation shall collect, analyze, and submit to the Water Quality Division, on a quarterly basis beginning August 15, 1981, the analytical results of groundwater samples for the following constituents from water wells on the Merle Dunham residence and the water well on the T.I.M. Corporation property:

Mr. Allen E. Cates
July 10, 1981
Page 2

- a. Paraformaldehyde
- b. Total Dissolved Solids
- c. pH

This letter approves the use of the wastewater pond for disposal or treatment of wastewater quality identified to us in your application. Any change in wastewater quality resulting from a change in facility use/ownership will require a new application, within sixty (60) days after a change in ownership/usage, for a modified Permit to Construct from the Water Quality Division in accordance with Section 8, Chapter III, Wyoming Water Quality Rules and Regulations. Since a Permit to Construct cannot be issued for an "as built" facility, this letter shall serve as your final approval document.

Sincerely,



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

LCF/pjb

cc: Tony Mancini, DEQ/WQD - Cheyenne
Charles Wolz, Wolz and Associates, Inc., 933 West 14th Street, Casper, WY 82601
Charles Higgins, Converse County Health Department, Douglas, WY 82633

*This has
not been
permitted*

M-5-5-81



THE STATE OF WYOMING

J. HENSCHELER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 3, 1981

Allen E. Cates
T.I.M. Corporation
P. O. Box 4629
Lafayette, LA 70502

RE: T.I.M. Corporation Wastewater Disposal Facility, Glenrock, WY, DEQ/WQD
Ref. No. 80-496R

Dear Mr. Cates:

Enclosed is a copy of a letter from your consulting engineer, Charles Wolz, wherein he requested a 30 day extension in order to complete the remaining work on your wastewater lagoon system at the referenced location. A thirty (30) day extension is hereby granted until July 1, 1981 to complete the required construction work. A compliance inspection will still be required when the work is completed before we can give a final approval for the facility. We will also require two sets of the "as built" drawings for the compliance work. Mr. Wolz has agreed to contact us immediately when the work has been completed.

Sincerely,

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

WF/ajb
Enclosures

cc: Charles Wolz

Wolz & Associates Inc.

CONSULTING ENGINEERS & LAND SURVEYORS
933 W. 14TH ST. - SUITE 1 - CASPER, WYOMING 82601 - (307) 265-1290

May 27, 1981

Mr. Leroy C. Feusner, P.E.
Southeast District Supervisor
Department of Environment Quality
Water Quality Division
Equality State Bank Bldg.
Cheyenne, WY 82002

Ref. 80-493R
T.I.M. Corporation
Glenrock



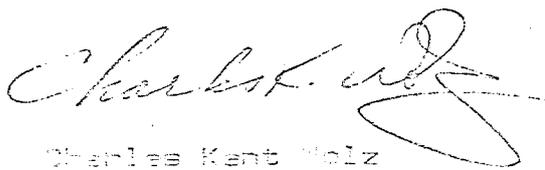
Dear Mr. Feusner,

The T.I.M. Corporation has retained me to complete the work outline in your letter of January 26, 1981.

We commenced work on May 15, 1981 and should have been completed by May 22. The extended rain shower period, however, has slowed the work and it now appears that June 5 should be its completion. As I discussed this with you on the telephone on May 26, I am hereby requesting a 30 day extension of the deadline to complete the work. Work remaining at this time is shaping of slopes, pouring the concrete dike, and replacing the fence.

There is no discharge into the pond at this time.

Yours Truly,


Charles Kent Wolz

cc'd

*Department of Environmental Quality**Water Quality Division*

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 26, 1981

CERTIFIED

Mr. Allen E. Cates
T.I.M. Corporation
P.O. Box 4629
Lafayette, LA 70502

Reference: T.I.M. Corporation Wastewater Disposal Facility, Glenrock,
WY, DEQ/WQD Ref. No. 80-496R

Dear Mr. Cates:

The Water Quality Division has received your application, sample analyses, and design information for the referenced "as built" wastewater disposal facility located at the T.I.M. Corporation plant located in Section 3, T33N, R75W, Converse County, Wyoming. This facility manufactures an oil well drilling fluid additive known as a thinning agent. Chemical analyses of a wastewater sample collected on December 30, 1980 by this Division were completed on January 16, 1981. We have completed our engineering review of this project, and have found that the wastewater facility construction does not meet minimum State of Wyoming standards. This was verified and documented by a facility inspection accomplished on December 10, 1980. In order to achieve compliance with minimum State standards, the following actions must be completed by June 1, 1981.

1. Install the sewer line from the facility to the wastewater pond in a trench of sufficient depth to prevent breakage from traffic, ground movement, or freezing. Sewer pipe size/slope and alignment must meet the requirements of State standards.
2. Reaccomplish pond earth work to meet engineering design drawing submitted to this Division on November 18, 1980. Earth work must correct the following discrepancies:
 - 1:3 interior pond slopes, establishment of specified dike height/width, removal of interior pond earth position, and construction of a pond inlet structure for the sewer pipe.
3. According to the records of the State Engineers Office, Merle H. Dunham of Box 533, Glenrock, Wyoming, has a domestic water well

in the SW 1/4 SE 1/4 of Section 3, T33N, R75W. If a well is still being used as a domestic water supply, the applicant should monitor the quality of this water to be certain that it is not being adversely impacted by the applicants operation.

After completion of the above compliance work, the Water Quality Division will perform a follow-up inspection of the wastewater pond construction. When the construction meets minimum State standards, a letter stating that compliance has been achieved will be issued to the applicant. This letter will approve use of the wastewater pond for disposal or treatment of wastewater quality identified to us in your application. Any change in wastewater quality resulting from a change in facility use/operation will require a new or modified Permit to Construct from this Division. The applicant is also advised that he has a responsibility to protect the quality of groundwater in the vicinity of this wastewater pond, pursuant to the provisions of the Wyoming Environmental Quality Act and Chapter VIII (attached).

Sincerely,



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

cc: Tony Mancini, DEQ/WQD, Cheyenne
Jake Strohman, DEQ/WQD, Cheyenne

10-1-80

Review of Plans and Specifications

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

PROJECT: T.I.M. Corporation, Converse Co.

ARCHITECT OR ENGINEER: Charles K. Wolz, Wolz & Associates, Inc. 933
W. 14th Street, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-496

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

DATE OF REVIEW: September 29, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Based upon the composition of the wastewater entering the pond, we have some real concern about potential groundwater contamination, particularly from the paraformaldehyde. Therefore, we request a complete chemical analysis and flowrate of typical wastewater entering the pond.
2. It is not clear to us how the pond will function. Based upon the data in the "Capacity of Pond" detail, it appears that more of the wastewater will percolate into the ground than will evaporate. The applicant must demonstrate that the ground percolation will not have an adverse impact on ambient groundwater. This would require, as a minimum, a comparison between the quality of the pond wastewater and ambient groundwater. A groundwater sample analysis is required for this design.
3. The application for a Permit to Construct must be signed and dated by the applicant. Additionally, indicate what type of wastewater treatment facility is planned.
4. Inner and outer dike slopes shall not be steeper than 1 vertical to 3 horizontal (1:3).
5. Provide specifications for materials/construction.
6. Provide details for sewer line from facility to the pond. Proposed open ditch is not acceptable.
7. Pond will require fencing to prevent unauthorized entry and/or accidents.

cc: T.I.M. Corporation
Glenrock, WY 82637

MA
C-30-58

PERMIT TO CONSTRUCT

Permit No. 80-497

- New
- Renewal
- Modified

S & J No. 4
(Name of Facility)

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

Jim Jones, Casper Metal Building Systems, Inc.
7072 Salt Creek Rt. Box 9
Casper, Wyoming 82601

to construct, install, or modify an industrial subsurface disposal
wastewater treatment

facility according to the procedures and conditions of the application
 No. 80-497. The facility is located in Lot 15, Skyview Industrial Park, Section 32, T34N, R79W

in the County of Natrona, in the State of Wyoming. This permit
 shall be effective for a period of two (2) years (five (5) years
 maximum) from the date of issuance of this permit.

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

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

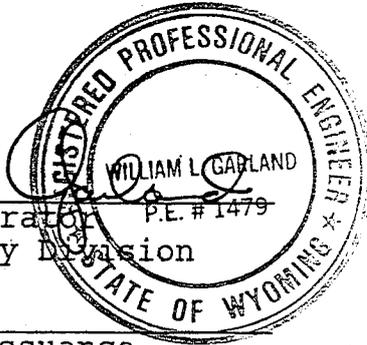
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:




William L. Garland
Administrative
Water Quality Division
P.E. # 1479
WILLIAM L. GARLAND
P.E. # 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Robert E. Sundin
Director
Dept. of Environmental Quality

September 25, 1980
Date of Issuance

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

M
6-30-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-498

Brinkerhoff Signal, Inc.
(Name of Facility)

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

John Sullivan
P. O. Box 2590
Mills, WY 82644

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

facility according to the procedures and conditions of the application
No. 80-498. The facility is located in SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34,
T34N, R80W

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 Environ-
mental Quality has evaluated and determined that the application meets
minimum applicable construction and design standards. The compliance
with construction standards and the operation and maintenance of the
facility to meet the applicant's engineer's design are the responsi-
bility of the applicant, owner, or operator.

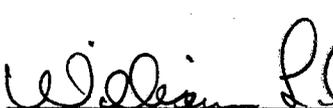
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
1479
Administrator
Water Quality Division
STATE OF WYOMING

September 23, 1980
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.

cc: Engineering Inspection Service
P. O. Box 4075
Casper, WY 82604

PERMIT TO CONSTRUCT

New

Permit No. 80-499

Renewal

WITH SPECIAL CONDITIONS

Modified

Wardwell Water & Sewer District and Town of Mills
(Name of Facility)

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

County of Natrona, Town of Mills and Wardwell
Water & Sewer District Impact Joint Powers Board

P. O. Box 789

Mills, Wyoming 82644

to construct, install, or modify a 16 inch and 12 inch potable
water transmission main

facility according to the procedures and conditions of the application

No. 80-499. The facility is located in Sections 6 & 7,
T33N, R79W, and Sections 17, 20, 29, 31, & 32, T34N, R79W

in the County of Natrona, in the State of Wyoming. This permit
shall be effective for a period of two (2) years (five (5) years
maximum) from the date of issuance of this permit.

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

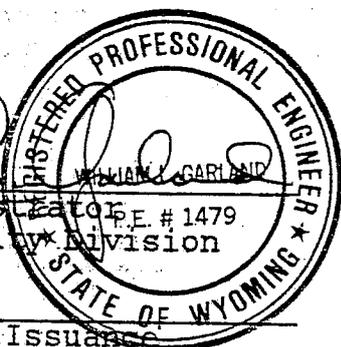
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

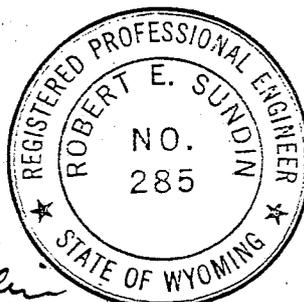
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

ning in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William J. Garland
Administrator P.E. # 1479
Water Quality Division
October 1, 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.

SPECIAL CONDITIONS

The chambers and pits containing valves, blow-offs, meters or other such appurtenances shall be drained to the surface of the ground where they ~~are not subject to flooding by surface water, or to absorption pits~~ underground.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-500
Ref. 78-647

Happy Jack Warehouse
(Name of Facility)

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

Robert L. Wensky

P. O. Box 1916

Cheyenne, WY 82001

to construct, install, or modify a small subsurface wastewater
treatment

facility according to the procedures and conditions of the application

No. 80-500. The facility is located in Section 1,
Ref. 78-647
T13N, R66W, Central Addition, all that portion of block 3 lying east of Colorado &
Southern Railroad

in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

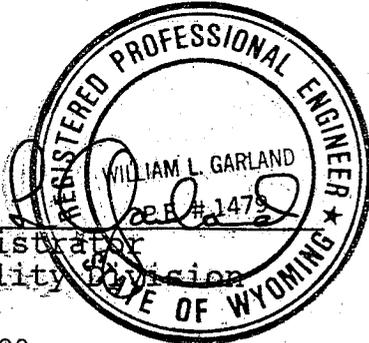
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

The permit 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
Date of Issuance
September 25, 1980

Robert E. Sundin
Director
Dept. of Environmental Quality



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

cc: Jordon Holland
5009 McGue Drive
Cheyenne, WY 82001

Don Pack
Environmental Health Office
Laramie County
1700 Snyder Avenue
Cheyenne, WY 82001

