

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-501R

WRIGHT WATER AND SEWER DISTRICT 2nd RESERVOIR
(Name of Facility)

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

Wright Water and Sewer District

P.O. Box 549

Wright, Wyoming 82732

to construct, install, or modify a water storage reservoir

facility according to the procedures and conditions of the application

No. 80-501R. The facility is located in Section 35,

T.44N., 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.

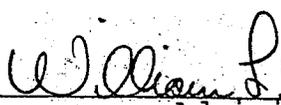
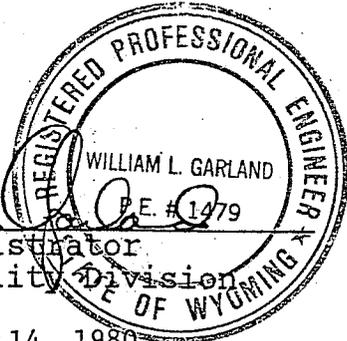
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

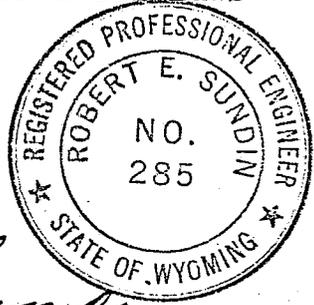
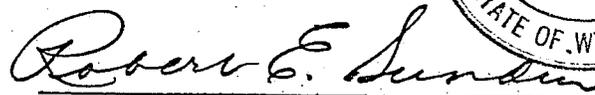
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

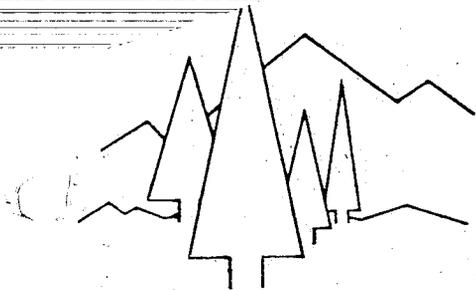


WILLIAM L. GARLAND
P.E. #1479
Administrator
Water Quality Division
STATE OF WYOMING



Director
Dept. of Environmental Quality

October 14, 1980
Date of Issuance

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

cc: Ginery Associates, Inc.
2840 South Vallejo Street
Englewood, Colorado 80110



Rocky Mountain Engineering & Surveying, Inc.
100 8th St., Suite #4
P.O. Box 805
Evanston, Wyoming 82930
(307) 789-9751

Mr. Francis LaBarge
Water Quality Engineer
Wyoming Department of Environmental Quality
933 Main Street
Lander, Wyoming 82520

December 22, 1980

RE: Black Acres Mobile Home Court
DEQ #80-502 Uinta County

Dear Frank:

We would like to withdraw the "Application for Permit to Construct" for the above referenced project. The project has been delayed due to changes that have been proposed but not finalized. Due to the type and extent of the proposed changes, it would be better to withdraw the Application at this time and resubmit at a later date. Please return the materials for the project to us.

Sincerely,

Dale E. Peterson, P.E.

DP:kk
cc: Tom Black



*Plans returned to engineer
12/23/80. K.N.*

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 16, 1980

Tom Black
P.O. Box 1768
Casper, WY 82602

Re: Black Acres Mobile Home Court
DEQ #80-502
Uinta County

Dear Mr. Black:

This office has not received any reply to our phone review of your "Application for Permit to Construct" for the above project.

Please submit the information requested. If you intend to abandon the project, please submit a letter withdrawing the application. If a delay has developed, inform this office by letter or a phone call.

Please be advised that any construction which takes place before the "Permit to Construct" is issued is a violation of Chapter III of the Wyoming Water Quality Rules and Regulations and is subject to possible penalties.

Respectfully,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosure

cc: Cheyenne DEQ/WQD
Dale E. Peterson

L 9/6

PERMIT TO CONSTRUCT



New

Permit No. 80-503 R



Renewal



Modified

Crest Ridge Subdivision, 2nd Filing, Phase I, Segment A
(Name of Facility)

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

City of Cheyenne

2101 O'Neil

Cheyenne, WY 82001

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

facility according to the procedures and conditions of the application No. 80-503R. The facility is located in Crest Ridge Subdivision, 2nd Filing, Phase I, Segment A, Section 21, T14N, R66W

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

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

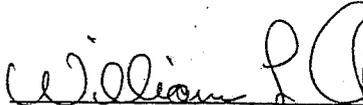
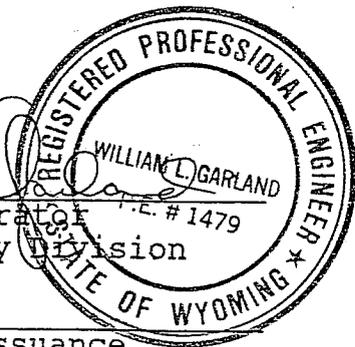
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

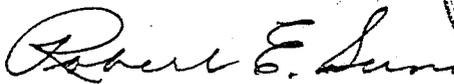
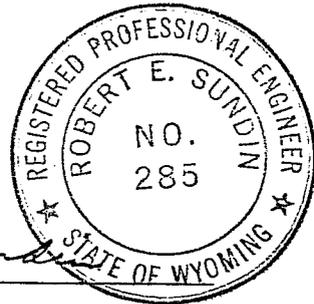
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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


October 8, 1980
Date of Issuance

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

cc: Jeff Couch, P.E.
BRW/Noblitt
American National Bank Building, Suite 300
1912 Capitol Avenue
Cheyenne, WY 82001

M
10-1-80

Review of Plans and Specifications

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

PROJECT: Crest Ridge 2nd Filing, Laramie Co.

ARCHITECT OR ENGINEER: Jeff Couch and Mike Taylor, BRW/Noblitt, 1912
Capitol Ave., Suite 300, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-503

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

DATE OF REVIEW: September 29, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Reaction blocks on water mains.
 - a. What is the required test pressure?
 - b. What is the soil type in order to determine if the reaction block schedule must be modified by a 'factor'?
 - c. If the soil or test pressure requires an increase in size of reaction blocking, it would be appropriate to call out this 'factor'.
 - d. Why was this 'schedule' (page 7/7) inserted instead of the Public Works specifications?
 - e. Temporary thrust blocks are required on the dead ends of water mains where future water mains are to be connected.
2. The 'June 1980 Board of Public Utilities Specifications for Construction of Water Mains and Appurtenances' have not been approved by DEQ. Therefore, we cannot approve them as the governing specs. Where the '1979 Wyoming Specifications' and the 'Cheyenne Specifications' differ, specific data must be submitted for the latter to be approvable.
3. A letter is required from the City stating that adequate capacity exists for the anticipated water and sewer demands from this development.
4. Where water mains are laid on curves, has the maximum joint deflection been calculated to determine if this method is possible. How can the contractor determine what the maximum deflection is per pipe length?

5. The 'Pipe Bedding and Backfill Detail' (page 6/7) does not show any bedding under the pipe. Is this in conformance with the pipe manufacturers recommendations or the Wyoming Public Work Specifications?
6. The 'Drop Manhole Detail' (page 7/7) shows a wooden plug in the upper pipe. This should be left open in case the drop pipe plugs.
7. How were the '+' designations determined on the sewer slopes?
8. The 'Sanitary Sewer Service Connection' detail (page 6/7) should show a marker post at the ends of the sewer services for easy location.
9. Please indicate the method and location of disposing of the highly chlorinated water in the water mains.

cc: City of Cheyenne
2101 O'Neil
Cheyenne, WY 82001

PERMIT TO CONSTRUCT



New

Permit No. 80-504RR



Renewal



Modified

F & B SUBDIVISION

(Name of Facility)

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

JOHN FANOS F & B INC.

P.O. BOX 397

MOUNTAIN VIEW, WY 82939

to construct, install, or modify a WATER DISTRIBUTION SYSTEM

facility according to the procedures and conditions of the application

No. 80-504RR. The facility is located in Sec. 36, T 16N,

R. 115W

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

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

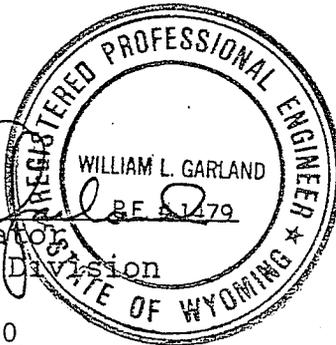
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

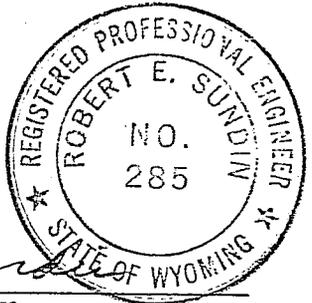
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING


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

October 20, 1980
Date of Issuance

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: F&B Subdivision

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

OWNER: John Fanos
F&B Inc.
P.O. Box 397
Mountain View, WY 82939

WATER QUALITY DIVISION REFERENCE NUMBER: 80-504

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 30, 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.

General

1. The plans should have the following paragraph stamped on them: "The 1979 Wyoming Associated General Contractor (AGC) Public Works Standards, shall apply. All work to be in conformance with the Standards and Specifications of the Wyoming AGC."

Water System

2. Please provide the figures used to calculate the design average day and peak demand.
3. I would like to see a copy of the Hardy-Cross analysis for this system.
4. The water line profile should show all valves and hydrants with their station.
5. How much thrust blocking is needed at all valves, fire hydrants, bends, etc....?
6. Details are needed of the connection to the 14 inch A-C pipe.
7. Line C is plugged at both ends. Dead end mains should have either an approved flushing hydrant or blow-off for flushing purposes.
8. A statement on line disinfection should be included on the drawings.

Sewer System

9. The owners of the subdivision should provide a statement that they will advise all buyers who purchase lots in this subdivision, they will be required to obtain a "Permit to Construct" before they can install their septic systems and where they can obtain the applications.
10. On the smaller lots, the location of the house will have to be considered with respect to the location of the septic system so that the minimum distances to waterlines and property boundaries can be met. Buyers should be made aware of this also.

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

FL/kn

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-505RR

Highland Towne
(Name of Facility)

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

Costin Engineering Company
2775 West Hampden Avenue
Englewood, CO 80110

to construct, install, or modify a potable water distribution system & sanitary sewerage collection system serving a 202 lot sub-division

facility according to the procedures and conditions of the application

No. 80-505RR. The facility is located in Section 4,
T21N, R87W

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.

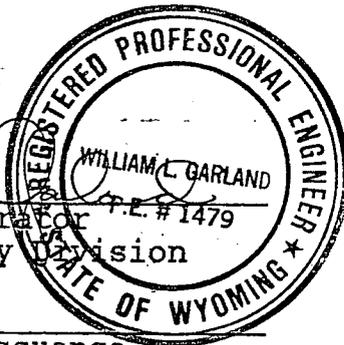
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AUTHORIZED BY:

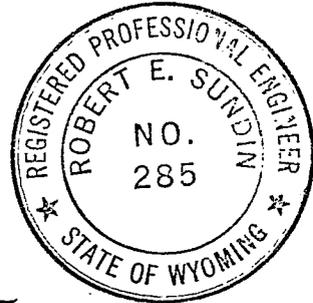
William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality



November 12, 1980
Date of Issuance

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

file

Review of Plans and Specifications

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

PROJECT: Highland Towne

ARCHITECT OR ENGINEER: Steven W. Murray, P.E., Costin Engineering
2775 West Hampden Avenue, Englewood, CO 80110

WATER QUALITY DIVISION REFERENCE NUMBER: 80-505R

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

DATE OF REVIEW: October 24, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The sanitary sewer PVC pipe shall meet the ASTM D-3034 specifications with an SDR 35. The ASTM D-1784 specification is for the PVC material and is not a pipe specification.
2. A manhole must be installed at the ends of the sewer pipes in Darnley Road, (Sheet 15 of 26) since they are longer than 150 feet. If a sewer is shorter than 150 feet, a "daylight" clean out could be used.
3. The plans indicate that some unstable soils will be encountered during installation of the sanitary sewers. How did you determine the special bedding procedures, Shown on sheet 20 of 26, will adequately overcome the unstable soils? Please explain the causes and conditions of the unstable soil. Will the water mains be affected?
4. The concrete diaper collar proposed to be used around the service connection and service connection pipe is unacceptable as jointing material.
5. A letter of verification from the public utility system manager that they are capable of handling added organic and/or hydraulic load on their wastewater treatment system and can adequately supply the peak water demand at the required minimum pressure of 20 psi is needed.
6. When resubmitting the plans, two copies of the following sheets are needed, cover, and 11 of 26 through 21 of 26.

656
m 10-9

Review of Plans and Specifications

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

PROJECT: Highland Towne

ARCHITECT OR ENGINEER: Costin Engineering, 2775 West Hampden Ave.
Englewood, CO 80110

WATER QUALITY DIVISION REFERENCE NUMBER: 80-505

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

Theodore D. Coyer

DATE OF REVIEW: 10-8-80

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application for a construction permit must be submitted.
2. The plans and specifications must be sealed or signed by an engineer registered in the State of Wyoming.
3. Plans and specifications for the following must be submitted:
 - a. Piping (both water main and sewer mains)
 - b. Thrust blocking
 - c. Pipe bedding
 - d. Pressure and leakage testing
 - e. Chlorination of potable water mains
 - f. Water and sewer service connections
 - g. Water and sewer main crossings
 - h. Manholes
4. Provide a location plan.
5. A letter of verification from the public utility system manager that they are capable of handling added organic and/or hydraulic load on their wastewater treatment system and can adequately supply the peak water demand at the required minimum pressure of 20 psi.
6. After this information is received, a complete evaluation of the plans will be conducted.

M 10-23-10

PERMIT TO CONSTRUCT

New

Permit No. 80-506R

Renewal

Modified

Town of Mountain View Sewer Line Extension

(Name of Facility)

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

Town of Mountain View

P.O. Box 249

Mountain View, WY 82939

to construct, install, or modify a sewer line extension

facility according to the procedures and conditions of the application

No. 80-506R. The facility is located in Sec. 13, 14; T. 15N; R. 115W

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.

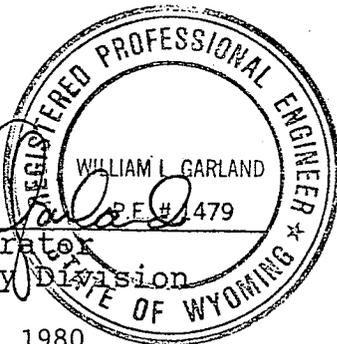
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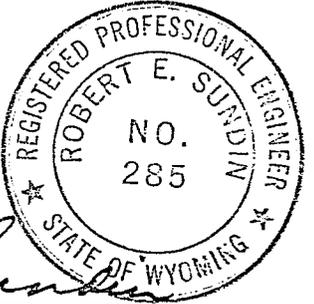
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AUTHORIZED BY:


William L. Garland
WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
STATE OF WYOMING


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

October 14, 1980
Date of Issuance

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

FL/kn

Mto
10-23-00

PERMIT TO CONSTRUCT

New

Permit No. 80-507

Renewal

Modified

Town of Pinedale Sewer Extension

(Name of Facility)

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

Town of Pinedale

P.O. Box 674

Pinedale, WY 82941

to construct, install, or modify a sewer extension

facility according to the procedures and conditions of the application

No. 80-507. The facility is located in Sec. 4, T. 33N,

R 109W

in the County of Sublette, 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.

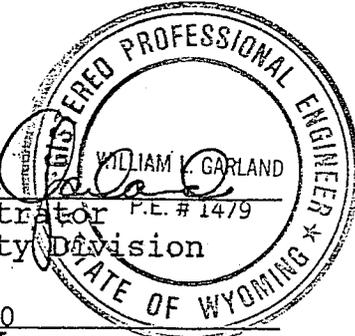
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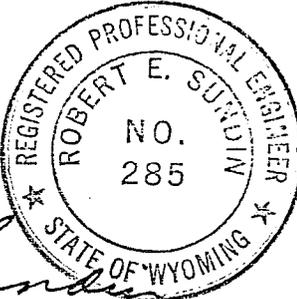
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AUTHORIZED BY:


William K. Garland
WILLIAM K. GARLAND
Administrator P.E. # 1479
Water Quality Division
October 7, 1980
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL/yh

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Town of Pinedale Sewer Extension

ENGINEER: Robert B. Stannard
Tuder Engineering Co.
450 S. Federal Blvd.
Riverton, WY 82501

OWNER: Town of Pinedale
P.O. Box 674
Pinedale, WY 82941

WATER QUALITY DIVISION REFERENCE NUMBER: 80-507

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: September 30, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

The following points have to be clarified to complete the review of the proposed sewer extension before "Permit to Construct" can be issued.

1. Please provide this office with a copy of the "Town of Pinedale Minimum Construction Standards" for our reference on this and future projects.
2. What class of P.V.C. pipe is to be used?
3. The line doesn't have enough ground cover. At station 2+50 there is only 3'+1" of cover. Freezing is possible and load calculations must be considered.

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

FL/yh

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Coal Creek Potable Water System

ARCHITECT OR ENGINEER: Virgil Anderson, Manager
Atlantic Richfield Company
P.O. Box 5300
Denver, Colorado 80217

WATER QUALITY DIVISION REFERENCE NUMBER: 80-508

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

DATE OF REVIEW: November 14, 1980

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

Well

- (1) Details of well construction should meet Part 3 of the 10 States Standards of Water Works. As a minimum, the following information should be submitted.
 - (a) Material of drop pipe, material and thickness of the well casing, grouting specification.
 - (b) Sanitary capping details, distance between natural ground level and the upper terminal of the well.
 - (c) Well disinfection specifications.
 - (d) How is the submersible pump controlled?
 - (e) How will the well pump be protected from low water level?
 - (f) How is the water surge to be controlled?

Pumps

- (1) Design calculation of the booster pumps (total head, h.p. required, etc.) are needed.

Water Treatment Systems

- (1) Manufacturer's information on "Methane Removal Tank", "Sand Filters", "Carbon Filters", "Boiler Water Conditioning Equipment" are needed.

Such information as filtration rate, tank dimensions, appurtenances details should be included.

- (2) Is aeration provided to the methane removal tank?
- (3) It is not clear in drawing 254-P1-001 what the source of the backwash water is.

If the 20,000 gallon storage tank is providing backwash water, please show the necessary lines, pumps, pump design, backwash frequency and duration, filter control mode, etc.
- (4) Where is the backwash wastewater to be disposed of?

The backwash waste line should not be directly connected to the storm sewer or sanitary sewers without a backflow preventor being provided.

Chlorinator

- (1) Details of hypochloride chlorinator is needed.

If the powdered hypochloride is to be used, separate tanks for mixing and feeding are necessary to avoid CaCO_3 scale problem.

Water Storage Tank

- (1) Is the proposed 20,000 gallon water tank welded steel tank or bolted steel tank? Material and design specifications must conform to AWWA Standards (welded tank, AWWA D100; bolted tank, AWWA D103-80). Please address.
- (2) The overflow pipe from the tank should be downturned, screened, and end at least 12 to 18 inches above the ground surface.
- (3) The tank manhole should be framed at least 4" above the roof surface. This manhole cover shall be hinged and locked.
- (4) Information on the tank foundation is needed.

Water Distribution Line

- (1) Specification of pipe disinfection and backfilling should be submitted.
- (2) Specifications for water-sewer line crossing is needed.

*Due to the number of comments, this is not considered a final review.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-508RR

COAL CREEK POTABLE WATER SYSTEM
(Name of Facility)

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

Atlantic Richfield Co. c/o Scott Raymond
P.O. Box 5300
Denver, Colorado 80217

to construct, install, or modify a public water supply

facility according to the procedures and conditions of the application

No. 80-508RR. The facility is located in Section 17, T.46N., R.70W.

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

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

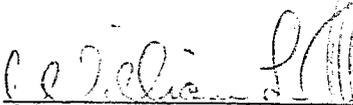
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

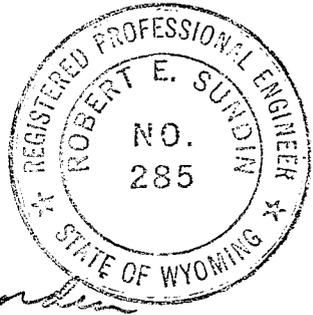
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



WILLIAM L. GARLAND
No. 470
Administrator
Water Quality Division
STATE OF WYOMING
April 10, 1981
Date of Issuance



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

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

L.E.J. 11-11

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-509R

Bob Meloy #5

(Name of Facility)

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

Larson Construction Company
P. O. Box 1527
Mills, WY 82644

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

facility according to the procedures and conditions of the application

No. 80-509R. The facility is located in Lot 47, Westgate Park 2, 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 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.

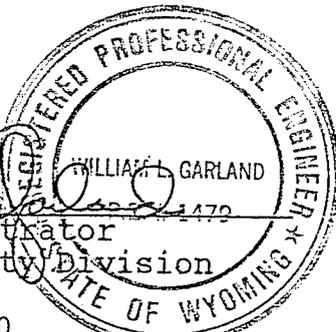
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

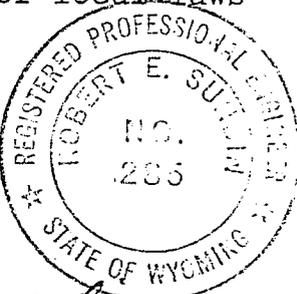
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Administrator
Water Quality Division
STATE OF WYOMING
October 24, 1980
Date of Issuance


Robert E. Sunden

Robert E. Sunden
Director
Dept. of Environmental Quality

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

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

10-1-80

Review of Plans and Specifications

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

PROJECT: Bob Meloy #5, Natrona County

ARCHITECT OR ENGINEER: Detmer R. Knapp, P.O. Box 2308, Mills, WY
82644

WATER QUALITY DIVISION REFERENCE NUMBER: 80-509

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

DATE OF REVIEW: September 30, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The ends of the perforated distribution lines must be capped.
2. The design information for the septic tanks indicates there are no baffles (check list). The Wyoming Water Quality Rules and Regulations, Chapter III, Section 2.4 states that "a baffle is required on both inlet and outlet". Please correct or clarify.
3. What is the expected wastewater flow from the sump?

cc: Larson Construction Co.
P.O. Box 1527
Mills, WY 82644

LEB
m 11-11

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-510R

Scott Equipment Co.
(Name of Facility)

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

Scott Equipment Co.
P.O. Box 581
Casper, WY 82602

to construct, install, or modify a subsurface sewage disposal

facility according to the procedures and conditions of the application
 No. 80-510R. The facility is located in Section 4,
T33N, R78W

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.

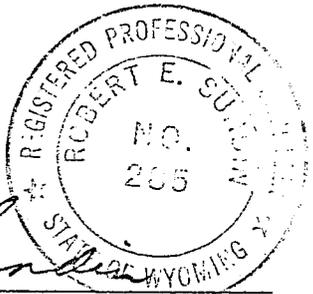
The permittee shall allow authorized representatives from the Depart-
 ment of Environmental Quality, Water Quality Division, upon the pre-
 sentation of credentials and during working hours, to have access to
 inspect the facilities, at the above location, for the purpose of
 compliance with the provisions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

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. CARLUND" and "P.E. # 1479".
William L. Carlund
Administrator
Water Quality Division
November 5, 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 "ROBERT E. SUNDIN" and "NO. 285".
Robert E. Sundin
Director
Dept. of Environmental Quality

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

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

00-3-80

Review of Plans and Specifications

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

PROJECT: Scott Equipment, *Natrona*

ARCHITECT OR ENGINEER: Ed. S. Rate, Jr., P.E.
P. O. Box 930, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 80-510

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

DATE OF REVIEW: October 21, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: Plans and specifications must be signed by or bear seal of an engineer registered in Wyoming. The plans and specifications are being returned to you. Please sign them and return them to this office.

L 5

PERMIT TO CONSTRUCT



New

Permit No. 80-511



Renewal



Modified

ROJO CABALLOS SEDIMENT PONDS

(Name of Facility)

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

Mobil Oil Corporation

P.O. Box 5444

Denver, Colorado 80217

to construct, install, or modify five coal mine sedimentation
ponds

facility according to the procedures and conditions of the application

No. 80-511. The facility is located in Sections, 1, 2, 11;

T.47N., R.71W.

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

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

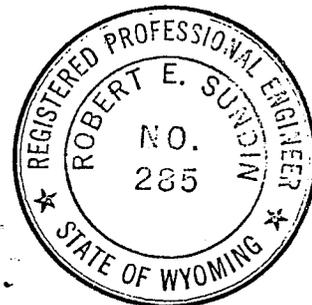
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

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

AUTHORIZED BY:



William L. Garland
Administrative
Water Quality Division
November 14, 1980
Date of Issuance

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM L. GARLAND" and the number "P.E. #1479".

Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Doyl Fritz
P.O. Box 3042
Sheridan, WY 82801

PERMIT TO CONSTRUCT

New

Permit No. 80-512

Renewal

Modified

BIG HORN NO. 10 RESERVOIR

(Name of Facility)

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

Big Horn Coal Company Attention: Marlin Holm

P.O. Box 724

Sheridan, Wyoming 82801

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

facility according to the procedures and conditions of the application

No. 80-512. The facility is located in Section 15, T.57N.,
R.84W.

in the County of Sheridan, 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.

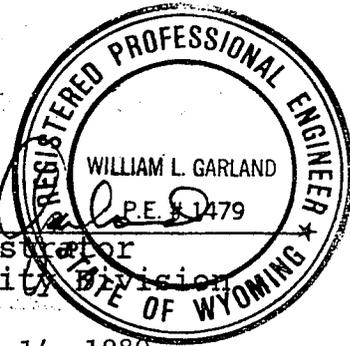
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

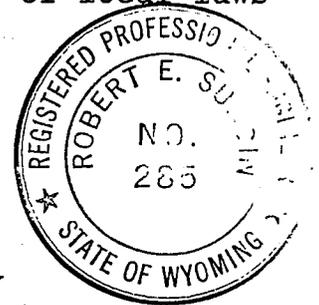
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland

Administrator
Water Quality Division
STATE OF WYOMING



Robert E. Sunden

Director
Dept. of Environmental Quality

November 14, 1980
Date of Issuance

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

80-513



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 23, 1980

Mr. William F. McLaughlin
Husky Oil Company
P. O. Box 1588
Cheyenne, WY 82001

Dear Mr. McLaughlin:

The Water Quality Division has completed a review of the "as built" construction plans for the wastewater lagoon bypass pipe at your facility, and have concluded that minimum State of Wyoming standards have been met. Since a Permit to Construct cannot be issued for "as built" facilities, this letter will serve as your approval document. Future construction or modifications to the refinery wastewater treatment system will require a Permit to Construct. Plans and specifications along with an application must be approved by this Division prior to initiation of any construction/ modification work.

Sincerely,

LeRoy C. Feusner
Southeast Engineering District Supervisor

LCF/md

256
87-10-10

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-514
 Ref. No. 80-264RR

Cottonwood Motel and Dwelling
 (Name of Facility)

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

Harold L. Fleming and Carl E. Foster
P. O. Box 120
Baggs, WY 82321

to construct, install, or modify a commercial wastewater col-
lection and evaporative treatment

facility according to the procedures and conditions of the application
 No. 80-514. The facility is located in Section 5,
 Ref. No. 80-264RR
T12N, R91W

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.

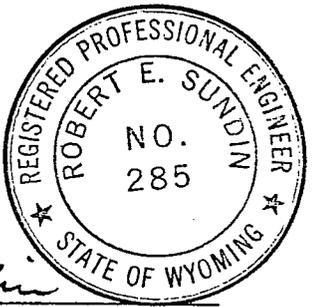
The permittee shall allow authorized representatives from the Depart-
 ment of Environmental Quality, Water Quality Division, upon the pre-
 sentation of credentials and during working hours, to have access to
 inspect the facilities, at the above location, for the purpose of
 compliance with the provisions 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
October 3, 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: Rob Roy Logan
P. O. Box 494
Rawlins, WY 82301

LEB

m 11-11

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-515R

PSI Hydraulics and Electronics
(Name of Facility)

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

PSI Hydraulics and Electronics
P.O. Box 3011
Casper, WY 82602

to construct, install, or modify a subsurface wastewater disposal

facility according to the procedures and conditions of the application
 No. 80-515R. The facility is located in Section 27,
T37N, 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.

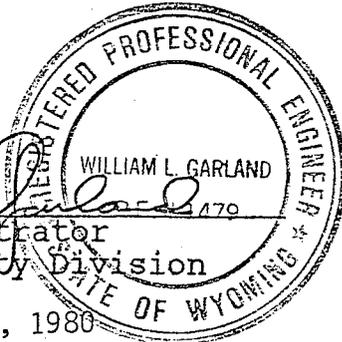
The authority to construct granted by this permit does not mean or
 imply that the Wyoming Department of Environmental Quality guarantees
 or insures that the permitted facility, when constructed, will meet
 applicable discharge permit conditions or other effluent or oper-
 ational requirements.

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.

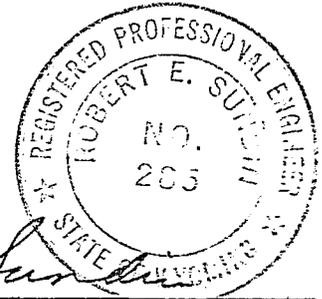
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

November 5, 1980
Date of Issuance

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

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

M
10-22-80

Review of Plans and Specifications

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

PROJECT: PSI Hydraulics and Electronics, *Natrona*

ARCHITECT OR ENGINEER: Ed S. Rate, Jr., P.E.
P. O. Box 930, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 80-515

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

DATE OF REVIEW: October 21, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: The plans and specifications are being returned to you since they were not sealed or signed by an engineer registered in Wyoming. Please sign them and return them to this office.

10-23-80

PERMIT TO CONSTRUCT

New

Permit No. 80-516R

Renewal

Modified

Wempen Wastewater Disposal System
(Name of Facility)

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

Freemen Wempen

P.O. Box 1569

Riverton, WY 82501

to construct, install, or modify a septic tank-leach field,
wastewater collection lines

facility according to the procedures and conditions of the application

No. 80-516R. The facility is located in NW $\frac{1}{4}$, SE $\frac{1}{4}$

Sec. 36, 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.

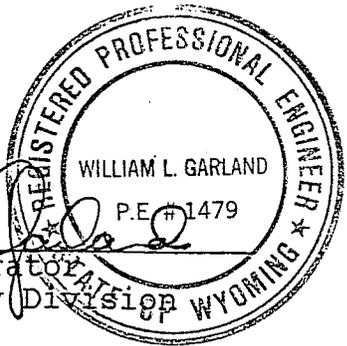
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

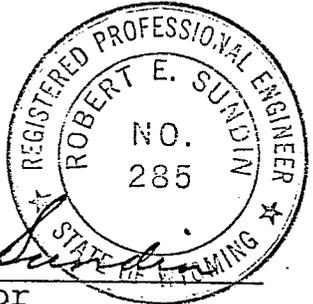
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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


Robert E. Sundin
Director
Dept. of Environmental Quality

October 10, 1980
Date of Issuance

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

JCH/yh

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Wempen Mobile Home Park Wastewater Disposal System

ENGINEER: Cardinal Engineering
2334 Rose Lane
Riverton, WY 82501

OWNER: Freeman Wempen
P.O. Box 1569
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 80-516

REVIEWING ENGINEER: Jeff C. Hermansky

Jeff C. Hermansky

DATE OF REVIEW: October 7, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. The disposal field lines must be a minimum of 8' O.C. for 24" wide trenches. The minimum separation is 6' from edge of trench to edge of trench. *
2. How far is this project's water well from the leach field? How about any other domestic water wells in the near vicinity?
3. The slope of the sewer main from MH-1 to ST-2 is missing.
4. A MH is required at the end of the sewer main in Lot 1, Block 2 and at the main's 90 degree bend in Lot 6, Block 2.
5. How are Lots 2 and 3, Block 1 serviced for wastewater disposal? Where is Lot 1, Block 1?
6. Are all the water lines for this project existing?
7. Application form must be signed by the applicant.

* Disposal fields with less than 6' between the edges of the trenches shall be reviewed as disposal beds.

JCH/kn

A.B.C

PERMIT TO CONSTRUCT



New

Permit No. 80-517RR



Renewal



Modified

ANTELOPE MINE SEDIMENT PONDS SP-1, SP-2, and SP-3
(Name of Facility)

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

Antelope Coal Company

111 SW Columbia, Suite 800

Portland, Oregon 97201

to construct, install, or modify a mine wastewater pond

facility according to the procedures and conditions of the application

No. 81-517RR. The facility is located in _____

Sections 34 and 35, T.41N., R.71W.

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

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

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

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.

PERMIT TO CONSTRUCT

New

Permit No. 80-517RR

Renewal

Modified

ANTELOPE MINE SEDIMENT PONDS SP-1, SP-2, and SP-3
(Name of Facility)

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

Antelope Coal Company

111 SW Columbia, Suite 800

Portland, Oregon 97201

to construct, install, or modify a mine wastewater pond

facility according to the procedures and conditions of the application

No. 81-517RR. The facility is located in

Sections 34 and 35, T.41N., R.71W.

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

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

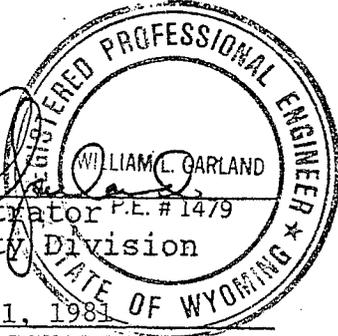
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

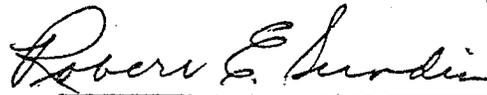
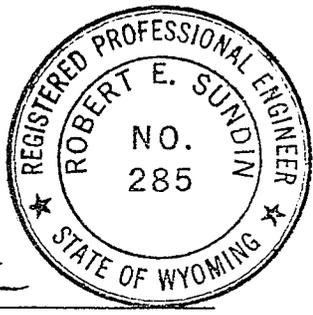
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
April 21, 1981
Date of Issuance



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

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

xc: Converse County Courthouse
107 North 5th
Douglas, WY 82633

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Antelope Coal Mine Wastewater Ponds

ARCHITECT OR ENGINEER: NERCO, Inc.
111 SW Columbia, Suite 800
Portland, Oregon 97201
Attention: Mr. William Lyons

WATER QUALITY DIVISION REFERENCE NUMBER: 80-517, 80-580, 80-581

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

DATE OF REVIEW: November 18, 1980

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. Additional, revised drawings for ponds SP-1, SP-2 and SP-3 have been received. It would be helpful if this office was apprised of the reasons for the revisions, and also if table MP-15 of the applications for ponds SPF-1 and SPF-2 is intended to supplant table 4 of the applications for ponds SP-1, SP-2 and SP-3.
2. No ponds are to have an uncontrolled discharge. The discharge structures for ponds SP-1, SP-2 and SP-3 must be capable of complete shutoff. The structures proposed for ponds SPF-1 and SPF-2 are adequate.
3. There is no indication of the relationship of the various ponds to the overall mine facilities or to the NPDES permit outfall numbers. Specifically, what wastewaters (e.g., runoff only, wash down water, pit water) will enter these different ponds? Which ponds will require designated outfall numbers? Please provide some guidance on this matter. Note that for any pond with an NPDES outfall, flow measurement and sampling capability must be provided.

3-20-84

Laramie



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 16, 1984

City Engineers Office
City of Cheyenne
2101 O'Neil Avenue
Cheyenne, WY 82001

Dear Sir:

On February 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 80-518, facility name Golden Meadows Condominiums. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

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

LCF/nc

cc: Jon Anderson
AVI Engineers
1700 Westland Road
Cheyenne, WY 82001



THE STATE OF WYOMING

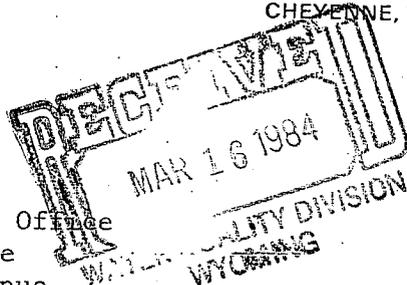
ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307-777-7781



February 13, 1984

City Engineer's Office
City of Cheyenne
2101 O'Neil Avenue
Cheyenne, WY 82001

Gentlemen:

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

| | |
|-----------------------------|-----------------------------|
| Facility name: | Golden Meadows Condominiums |
| DEQ/WQD Reference Number: | 80-518 |
| Engineering Consultant: | Jon Anderson, AVI Engineers |
| DEQ/WQD Reviewing Engineer: | LeRoy C. Feusner |
| Date of DEQ/WQD Review: | October 10, 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 On hold indefinitely

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

Sincerely,



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

cc: Jon Anderson
AVI Engineers
7300 North Yellowstone
Cheyenne, WY 82009

2-15-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

City Engineer's Office
City of Cheyenne
2101 O'Neil Avenue
Cheyenne, WY 82001

Gentlemen:

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

| | |
|-----------------------------|-----------------------------|
| Facility name: | Golden Meadows Condominiums |
| DEQ/WQD Reference Number: | <u>80-518</u> |
| Engineering Consultant: | Jon Anderson, AVI Engineers |
| DEQ/WQD Reviewing Engineer: | LeRoy C. Feusner |
| Date of DEQ/WQD Review: | October 10, 1980 |

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

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

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

Sincerely,



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

cc: Jon Anderson
AVI Engineers
7300 North Yellowstone
Cheyenne, WY 82009

lef

Review of Plans and Specifications

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

PROJECT: Golden Meadows Condominiums

ARCHITECT OR ENGINEER: Jon L. Anderson, AVI Engineering
1111 East Lincolnway, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-518

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

DATE OF REVIEW: October 10, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Indicate volume of wastewater on application form. Also indicate whether this construction will be new or modified.
2. What construction/material specifications will be followed? Indicate by a note on the plans or provide them.
3. A six inch sewer main is below minimum State standards. A minimum size of eight inches, at a slope of at least 0.40 feet/100 feet is required for a sewer main.

MEMORANDUM

TO: Running Record, Permit #80-519

FROM: Steve Gerber

SUBJECT: Status of 'Application for Permit to Construct' submitted by
Alcohol Fuels Investment Corporation (AFIC)

DATE: July 3, 1986

The above referenced plant was never constructed. The project was dropped prior to design. AFIC is no longer in existence. Therefore, the application cannot be returned. A status request letter was mailed December 6, 1985 to the Engineer. A reply was never received.

cc. Norma Caulson

homa



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 6, 1985

CERTIFIED P 399 271 396

Forsgren-Perkins
1849 W. North Temple
Salt Lake City, UT 84116

Dear Gentlemen:

On October 2, 1982 we received an application for a "Permit to Construct" a process wastewater disposal facility for a proposed ethanol plant by Alcohol Fuels Investment Corporation. This application was prepared by your firm. At present we are trying to clear our records. We are relatively certain the project was never constructed. However, I would appreciate your verification of the project status by marking the appropriate statement below. I appreciate your cooperation in this matter. The specific information for this project is:

| | |
|---------------------------|---------------------------|
| Facility Name: | <u>AFIC Ethanol Plant</u> |
| DEQ/WQD Reference Number: | <u>80-519</u> |
| Engineering Consultant: | <u>Forsgren-Perkins</u> |
| DEQ/WQD Review Engineer: | <u>Steve Gerber</u> |
| Date of DEQ/WQD Review: | <u>November 19, 1980</u> |

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 thirty (30) days.

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

Other Remarks: _____

Sincerely,

Steven P. Gerber, P.E.
Northwest District Supervisor



Should this be considered a review?

80-575
80-519

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 19, 1980

Mr. Paul Kelly
Forsgren-Perkins Engineering
1849 West North Temple
Salt Lake City, UT 84116

Re: Land Application in Cody & Thayne

Dear Mr. Kelly:

To reiterate our phone conversation of Tuesday morning, November 18, I feel the information and calculations submitted in support of your proposed land application systems are generally satisfactory with the following exceptions:

1. We will require a design drawing of the sites to include the information listed in the enclosed guidelines;
2. In the calculations for the number of acres to be irrigated, I don't see why the figures used for the number of days of irrigation (150 for Cody, 360 for Thayne) are not replaced by 365 minus number of days of storage anticipated;
3. Control of upslope run-in (to the site) by means of diversion ditches, etc., and runoff collection ditches for the site itself, should be included in the design drawing.
4. From the groundwater data submitted for the Cody site, the aquifer falls into Class III, suitable for livestock watering, mainly due to the high sulfate concentration. No data was submitted on the groundwater quality for the Thayne site and it is therefore necessary that a well be drilled downslope of the site to classify the groundwater according to the Department's Chapter VIII, Groundwater Quality Standards and for use in monitoring the effect of the system after startup. Sampling should occur at least quarterly. NPDES permit requirements will apply to surface discharge.
5. In consideration of the low application rates anticipated, the extensive pretreatment planned and the considerable depth to groundwater on both sites, I feel that the existing well near the Cody

A.B.C.

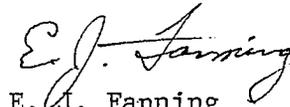
Paul Kelly
November 19, 1980
Page Two

site and the additional drilling of one well downslope of the
Thayne site should be sufficient for monitoring these sites.

I am enclosing a copy of our guidelines and a copy of Chapter VIII,
Rules and Regulations to assist you in meeting our requirements.

If there are any other questions you might have, feel free to give me
a call.

Sincerely,



E. J. Fanning
Soil/Water Conservation Consultant

EJF/md

Enclosure

cc: Jake Strohman
Robin Collins

M
12-13-56

PERMIT TO CONSTRUCT

New

Permit No. 80-520R

Renewal

Modified

Glendo Improvements to Water System
(Name of Facility)

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

Town of Glendo

P.O. Box 396

Glendo, WY 82213

to construct, install, or modify a municipal water distribution system (1260 l.f. of 6" water main) facility according to the procedures and conditions of the application No. 80-520R. The facility is located in 18 lots, Wilson Addition, Sec. 4, T29N, R68W, in the County of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

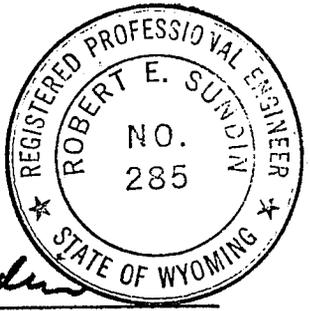
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

December 3, 1980
Date of Issuance

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

cc: Gordon Fluke
Plains Engineering
B.H.P.&L. Bldg.
Hot Springs, SD 57747

Lef

Review of Plans and Specifications

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

PROJECT: Glendo Improvements to the Water System

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

WATER QUALITY DIVISION REFERENCE NUMBER: 80-520

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

DATE OF REVIEW: October 30, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An engineering report including the summary of the basis of design is necessary. Pertinent items include sizing of the lines, numbers of existing and future connections with flow estimates, existing water pressure and anticipated pressure under peak flow conditions, fire flow requirements, etc.
2. Because of the less than ten foot horizontal separation between the water main and the sewer main, DEQ must be assured that the 18-inch vertical separation be maintained. Since the minimum sewer bury is 7' - 10", the water main depth should be no greater than 6'-4".
3. Although the proposal indicates one fire hydrant is to be installed, I do not see it located on the plans. I need to know the location of surrounding fire hydrants to assure that minimum hydrant spacing is being maintained. At this time, the plan does not meet the minimum hydrant spacing.
4. A note in the NW corner states a connection to an existing water line but no existing water line, size, location, or type is shown.
5. The location of the water services should be shown for future O & M requirements.
6. Is this water system already constructed? If so, what date was it completed?

12/6

PERMIT TO CONSTRUCT

New

Permit No. 80-521

Renewal

Modified

Agate Addition, Mills, Wyoming

(Name of Facility)

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

George C. Grierson, dba Grierson

145 South Durbin

Casper, WY 82601

to construct, install, or modify a municipal water distribu-
tion and wastewater collection systems

facility according to the procedures and conditions of the application

No. 80-521. The facility is located in Section 12,

T33N, 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.

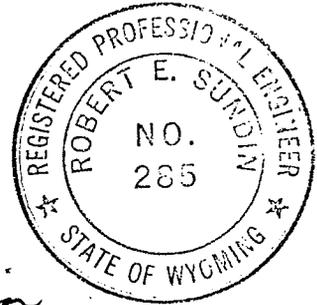
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

November 12, 1980
Date of Issuance

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

cc: E. C. Lenhart
Worthington, Lenhart, Carpenter, & Johnson, Inc.
632 South David
Casper, WY 82601

PERMIT TO CONSTRUCT

Permit No. 80-522RRRRR

- New
- Renewal
- Modified

BLACKS FORK WATER PROJECT
(Name of Facility)

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

Blacks Fork Sewer and Water Board

Box 668

Lyman, WY 82939

to construct, install, or modify a 10-inch water distribution line

facility according to the procedures and conditions of the application

No. 80-522RRRRR. The facility is located in Sec. 24, 25, 36, T. 16N, R. 115W.

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.

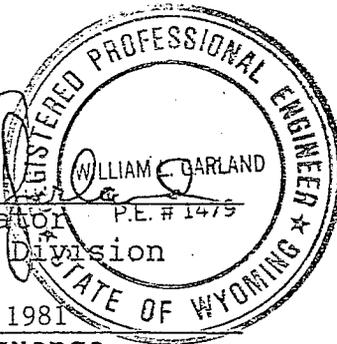
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

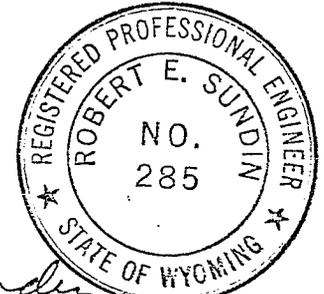
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 C. Garland
Administrator P.E. # 1475
Water Quality Division


Robert E. Sundin
Director
Dept. of Environmental Quality

March 18, 1981
Date of Issuance

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

FL/nb

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Black Fork Water Project

ENGINEER: Carlton & Carlton
P.O. Box 435
Evanston, WY 82930 Attn: Jeff Carlton

OWNER: Blacks Fork Sewer and Water Board
c/o D. J. Isom
Box 668
Lyman, WY 82939

WATER QUALITY DIVISION REFERENCE NUMBER: 80-522RRR R

REVIEWING ~~ENGINEER~~: EVALUATOR: Francis LaBarge *FL*

DATE OF REVIEW: March 4, 1981

ACTION: Not authorized.

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

1. A note should be placed on the drawings stating that the horizontal and vertical locations of the gas line may vary from what is shown on the plans. It should also state that a minimum horizontal separation of ten (10) feet between the water and gas line should be maintained.
2. The combination air release valve at STA 20+14 on Buckley Road should be shown on the profile. Details of this valve and its connection are needed.
3. The air relief valve detail shows drainage into an underground absorption pit. What is the size of this pit? Is it possible that the groundwater level could rise and flood these valve pits?
4. I have been informed by James Golding of Rocky Mountain Engineering and Surveying, Inc. that funds are not available to conduct a Hardy Cross analysis of all six (6) phases. It is normal practice not to issue a "Permit to Construct" without verification that the proposed main line, for the phase under review, will be adequate to serve all future phases. As I understand it in the report to the Farm Loan Board, the main was given as ten (10) inches for all six (6) phases. How was this arrived at? Will you certify that the ten (10) inch line is adequate for the six (6) phases that are proposed?

Black Fork Water Project
Review of Plans and Specifications
Date of Review - March 4, 1981
Page Two

5. Any stream crossings, etc., require a 401 State Letter of Certification. Please fill out the enclosed form and return it to this office in triplicate. You also must apply to the Corps of Engineers for a 404 permit. Before a 401 letter will be issued, we require a response from the Corps.

6. On Sheet 6 of 6 at STA 33+44, the V.I.P. elevation is given as 6812. Shouldn't this be 6612?

7. Please verify, as much as possible, where the six-inch CAL-VAL Series Combination Pressure Reducing and Check Valve will be located.

8. As I understand it, individual pressure reducers will be needed. Details of these valves and their connections are requested. Which lots will require them?

9. The question of sewage disposal has to be addressed. What type of disposal is proposed? If individual small wastewater facilities are to be used, verification is needed that:

- a) the lot sizes are large enough that all separation distances can be met.
- b) the ground slope is not excessive.
- c) anticipated depth to the high ground water table.
- d) a letter from the developer stating all buyers will be informed they must obtain a "Permit to Construct" for their small wastewater facilities and where to apply and obtain the necessary forms.

I have been informed by Mike Hackett that there is no EPA funding available for developments.

10. If any dewatering will be done during the construction process, the enclosed NPDES Application to Discharge From a Construction Project must be submitted as instructed on the form. A copy should be sent to this office, also.

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

Enclosures

cc: Dale Peterson, Rocky Mountain Engineering & Surveying, Inc.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Blacks Fork Water Project

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

Carlton & Carlton Engineering
P.O. Box 435
Evanston, WY 82930

OWNER: Blacks Fork Sewer and Water Board
c/o D.J. Isom
Box 668
Lyman, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 80-522R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: December 29, 1980

ACTION: Not authorized.

COMMENTS: A review of your submittal in response to my comments of October 15, 1980 has been completed. The following points still must be clarified before a "Permit to Construct" can be issued. I have addressed your comments in the order you presented them:

1. A letter of acknowledgement from the Bridger Valley Joint Powers Board to the Blacks Fork Water and Sewer District for water service was not enclosed with the plans.
2. Details of the 12" to 10" connection are satisfactory.
3. The plans now call for ASTM 2241 SDR21 - 200 psi water pipe but the engineering report still calls for ANWA C-900. The engineering report and plans should agree on this point.
4. The question of adequate cover has not been answered to the satisfaction of this office. As previously stated, a minimum of 6 to 6½ feet of cover is needed over the line. This is measured from the top of the pipe to final ground elevation. There are points on this line with 2 feet or less cover. This is not acceptable. A complete detailed justification is needed for any less cover. This includes a profile of the ground water table.

AC

5. The gas line should be included on the profile. The plan view should show the minimum separation distances.
6. Okay
7. Okay
8. The engineering report calls for 2 air-relief valves. The plans show only one. It appears an air-relief valve is needed between STA 4+95 and STA 8+63. These valves should be shown on the profile also. This was not done. More details are needed of how the air-relief valve chamber will be drained. What is the size of the absorption pit? It is mentioned in your letter that there is a high ground water table in this area. Automatic air-relief valves shall not be used in situations where flooding of the chamber may occur. What is the depth to the water table where these valves will be placed?
9. Locations of all individual pressure reduction valves are needed. Details are needed of the valves and the connection.
10. Dale Peterson's pressure calculations for Table B were not enclosed with the plans.

Additional Points to be Clarified

11. I do not agree with the amounts of thrust blocking shown. Why are you requiring 8.3 square feet of thrust blocking of an 11¼ degree bend (10 inch pipe) when only 4.15 square feet is needed? The connection to the existing 12 inch line requires considerably more than 8.3 square feet you have shown. The amount of thrust blocking is needed for all gate valves also.
12. You have referenced the Wyoming Public Works Standards. The following statement is needed on the plans: "The 1979 Wyoming Associated General Contractor (AGC), Public Works Standard Specifications, shall apply to the construction of this project. All work will be in conformance with the standards and specifications of the Wyoming AGC."
13. All lines should be looped. You stated this is Phase I of 6 phases. A plan view showing how these lines will connect to the future phases is needed to determine if they will be properly looped.
14. Any dead-end lines must have an approved flushing device. Details are needed.
15. Details are needed of how this new line will be disinfected. Where will the disinfecting agent be added and how?
16. On the "Application for Permit to Construct", the section on the Engineer needs to be filled in.

Please submit the required information and revised drawings, in triplicate, to this office. If you expect your reply to take longer than 30-40 days, please let me know. If you have any questions, please call me.

FL/kn

Enclosure

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Blacks Fork Water Project

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

OWNER: Blacks Fork Sewer and Water Board
c/o D. J. Isom
Box 668
Lyman, WY 82939

WATER QUALITY DIVISION REFERENCE NUMBER: 80-522

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: October 15, 1980

ACTION: NOT AUTHORIZED.

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

1. A letter from Bridger Valley Joint Powers stating that they can supply adequate volume and pressures to meet the demands of this new line is required.
2. Details of the connection between the 12 inch AC pipe and the 8 inch PVC pipe are requested.
3. The engineering report states that AWWA C-900 Class 200 PVC pipe will be used but the drawings all reference ASTM 2241 SDR21 200 psi PVC pipe to be used. The Wyoming Public Works Standards calls for AWWA C-900 pipe. If ASTM 2241 is to be used, it must be derated to a maximum allowable pressure of 125 psi. If you intend to use the ASTM 2241 PVC pipe, please provide the calculations to show that it can still meet the pressures exerted upon it in this system. Also, a note will be required on the drawings stating that this pipe will be used in lieu of the AWWA C-900 as called for in the Wyoming Public Works Standards.
4. There are several places on this line where adequate cover is not provided. It is the feeling of this office that a minimum of 6½ feet of cover should be provided.
5. What is the separation distance between the proposed waterline and the 3 inch H.P. gasoline line shown on the plan view. This gas line should also be shown on the profile view.

A, B, C

6. Is this line going to be buried in a virgin trench or in an area previously excavated and fill drawn in?
7. Does this line cross any sewer lines? If so, they should be shown on both the profile and plan views.
8. The air relief valves should be shown on the profile views as well as the plan view. Details are required of the air relief valves.
9. Please show where the pressure reducers will be installed on the profile view. Also, please provide details of them.
10. In order to check the pressures listed in Table B at the various fire hydrants, I will need copies of your pressure calculations used in establishing this table.

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

FL/kn

1145
10-23-77

PERMIT TO CONSTRUCT

New

Permit No. 80-523R

Renewal

~~Modified~~ Extension

Teton Village Sewer Line Extension

(Name of Facility)

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

Village Sewer Company

Box 586

Teton Village, WY 83025

to construct, install, or modify a sewer line extension

facility according to the procedures and conditions of the application

No. 80-523R. The facility is located in Sec. 24, T. 42N,

R. 117W

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.

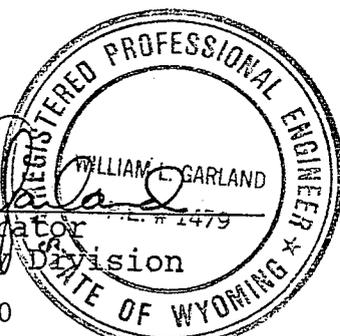
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

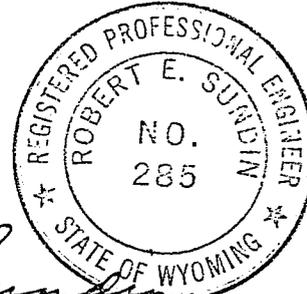
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
WILLIAM L. GARLAND
L. # 1479
Administrator
Water Quality Division
OCTOBER 14, 1980
Date of Issuance


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

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

FL/kn

PERMIT TO CONSTRUCT



New

Permit No. 80-524



Renewal



Modified

Centennial Valley Sewage Lagoon

(Name of Facility)

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

J.D. Kindler

1724 Highway 30 West

Evanston, WY 82930

to construct, install, or modify an existing lagoon and construct
a new lagoon

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

No. 80-524. The facility is located in Sec. 19, 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.

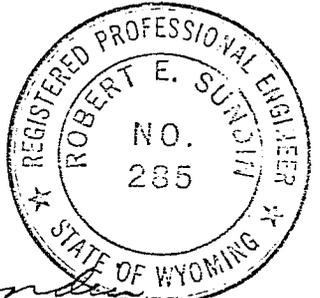
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
Water Quality Division
P.E. # 1479
October 20, 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.

FL/kn

PERMIT TO CONSTRUCT

10-33-0

- New
- Renewal
- Modified

Permit No. 80-525

Nielson Ranch Trailer Disposal Facilities
(Name of Facility)

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

William B. Sheets

P. O. Box 730

Cody, WY 82414

to construct, install, or modify a septic tank-leach field

facility according to the procedures and conditions of the application

No. 80-525. The facility is located in Sec. 15, T. 51N,
R. 101W

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.

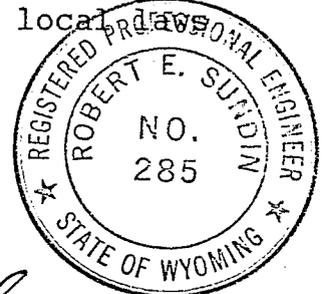
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

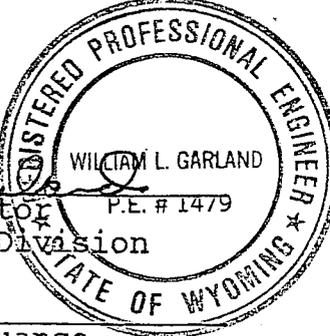
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

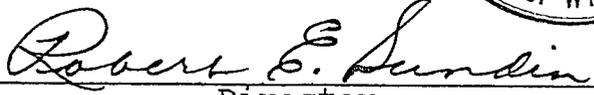
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:




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

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM L. GARLAND" and the number "P.E. # 1479".


Director
Dept. of Environmental Quality

October 7, 1980
Date of Issuance

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

JCH/yh

PERMIT TO CONSTRUCT

New

Permit No. 80-526RR

Renewal

Modified

C.R. Roberts Settling Pond #3

(Name of Facility)

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

C.R. Roberts & Sons

P.O. Box 128

Cokeville, WY 83114

to construct, install, or modify a Settling Pond

facility according to the procedures and conditions of the application

No. 80-526RR. The facility is located in Sec. 4, T 20N,

R 109W

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.

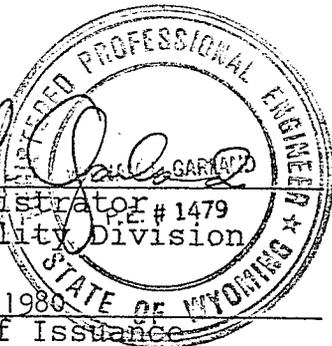
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

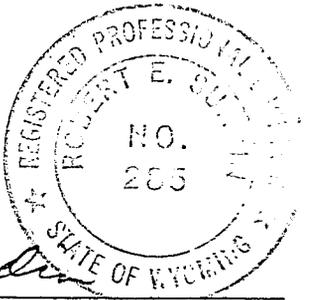
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top and "STATE OF WYOMING" around the bottom. In the center, the name "WILLIAM J. GALT" is written, with "P.E. # 1479" below it.

William J. Galt
Administrator # 1479
Water Quality Division

October 30, 1980
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top and "STATE OF WYOMING" around the bottom. In the center, the name "ROBERT E. SUNDA" is written, with "NO. 285" below it.

Robert E. Sunda
Director
Dept. of Environmental Quality

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

FL/yh

PERMIT TO CONSTRUCT



New

Permit No. 80-527



Renewal



Modified

15" SEWER REPLACEMENT — CITY OF NEWCASTLE

(Name of Facility)

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

City of Newcastle

P.O. Box 447

Newcastle, Wyoming 82701

to construct, install, or modify a outfall sewer

facility according to the procedures and conditions of the application

No. 80-527. The facility is located in Section 30,

Township 45 North, Range 61 West

in the County of Weston, 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.

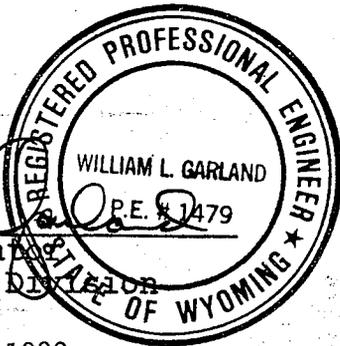
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

Robert E. Sundin
Director
Dept. of Environmental Quality

November 19, 1980
Date of Issuance

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

cc: James Fletcher
Plains Engineering
P.O. Box 727
Newcastle, Wyoming 82701

*Department of Environmental Quality**Water Quality Division*

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 26, 1981

Wycon Chemical Company
P. O. 1287
Cheyenne, Wyoming 82001Subject: Ground Water Decontamination System - Wycon Chemical
Company, Laramie County, Project No. 80-528RR

Gentlemen:

The as-built plans and specifications for the recycle well and trench systems have been reviewed. Since the systems have already been installed we cannot issue a construction permit for them. However, we will accept them as being in compliance with the Water Quality Rules and Regulations with the following stipulations: (1) The ground water monitoring program outlined by Metcalf and Eddy, Inc. in Chapter 5 of the report dated December 1980 is implemented immediately, and (2) The results are submitted to this department as soon as they are available to you.

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

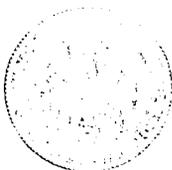
Very truly yours,

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

Theodore D. Coyer, P.E.
Environmental Engineer

TDC/ad

cc: Tony Mancini
Metcalf & Eddy, Inc.



M-28-81

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 28, 1981

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

Subject: Corlett Creek Recycle Line
DEQ/WQD Ref. No. 80-528R

Dear Mr. Patton:

I have received your plans for the Corlett Creek Recycle Line but I haven't received the final report you indicated would be forthcoming. Therefore, we cannot proceed with the review of the plans until we receive the companion report.

I appreciate your spirit of cooperation with regard to this matter. However, if the required information is not submitted soon, I will have no choice but to issue a notice of violation since the facility is already built. If there are some extenuating circumstances which will delay the submission, please contact me so that we can discuss them.

Very truly yours,

Theodore D. Coyer, P.E.
Environmental Engineer

TDC/com/nc

cc: Franklin Burton
Metcalf & Eddy
P.O. Box 10-046
Palo Alto, CA 94303

656

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-529
SEE SPECIAL CONDITIONS

Casper Amoco Oil Refinery
(Name of Facility)

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

Amoco Oil Company
P. O. Box 160
Casper, WY 82602

to construct, install, or modify an industrial ground oil
reclamation system

facility according to the procedures and conditions of the application

No. 80-529. The facility is located in Section 8,
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 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.

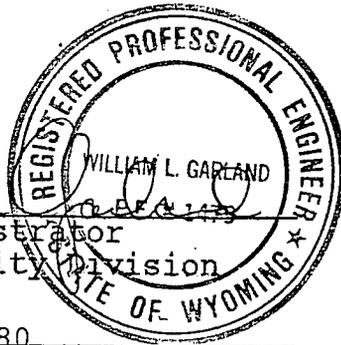
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

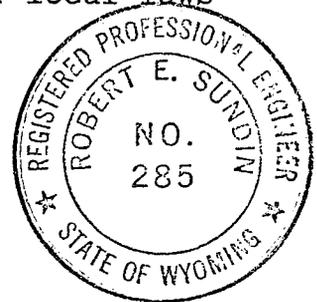
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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



Robert E. Sordin
Director
Dept. of Environmental Quality

November 12, 1980
Date of Issuance

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

SPECIAL CONDITIONS

1. The applicant shall provide information to the Water Quality Division at least semiannually concerning the status and progress of the proposed ground oil reclamation system. These status reports should indicate how the system is operating and its efficiency, as a minimum.
2. The applicant may be required to undertake additional efforts to eliminate ground oil seepage into the North Platte River in the vicinity of the El Rancho Bridge.

cc: Hutton
Amoco Oil Company
P. O. Box 160
Casper, WY 82602

Lef
m 11-11

PERMIT TO CONSTRUCT

New

Permit No. 80-530

Renewal

Modified

Bovaird

(Name of Facility)

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

Calvin Bartels

6367 West Yellowstone

P.O. Box 1880

Casper, WY 82601

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

facility according to the procedures and conditions of the application

No. 80-550. The facility is located in W $\frac{1}{2}$, NE $\frac{1}{4}$; E $\frac{1}{2}$, NE $\frac{1}{4}$, 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 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
P.E. # 1479
STATE OF WYOMING


Robert E. Sunden
Director
Dept. of Environmental Quality
STATE OF WYOMING

October 24, 1980
Date of Issuance

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

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

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-531R

Brown Number 1 Small Wastewater Facility
(Name of Facility)

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

Vivian L. Brown

P.O. Box 783

Rock Springs, WY 82901

to construct, install, or modify two septic tanks, one leach
field

facility according to the procedures and conditions of the application

No. 80-531R. The facility is located in Mountaineer Sub-
division, Lots 57-62, Sec. 9, T. 19, R. 105

in the County of Sweetwater, 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.

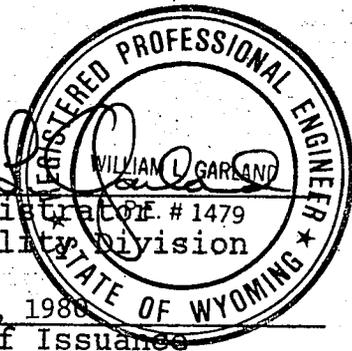
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

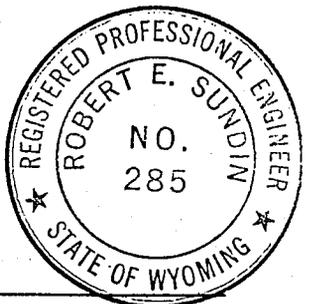
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions 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 # 1479
Water Quality Division
STATE OF WYOMING
November 24, 1988
Date of Issuance


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

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

FL/kn

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Brown No. 1 Wastewater Treatment Facility

ENGINEER: Harry L. Moore
440 Mesa Drive
Rock Springs, WY 82901

OWNER: Vivian L. Brown
P.O. Box 783
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 80-531

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: October 9, 1980

ACTION: NOT AUTHORIZED.

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

1. What is the highest known groundwater or impervious layer in that area?
2. Piping into and out of the septic tanks must be cast iron or Schedule 40 PVC.
3. Please provide calculations used to design the required disposal area.
4. Sewer lines from the house to septic tank should be laid in a straight line if possible. If there is a deviation in the line, it is recommended that a clean-out be installed.

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

FL/kn

1150
10-23-80

PERMIT TO CONSTRUCT

New

Permit No. 80-532

Renewal

Modified

Crizzly Pipe Handling Service
(Name of Facility)

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

Crizzly Pipe Handling Service
P.O. Box 1627
Riverton, WY 82501

to construct, install, or modify a septic tank-leach field

facility according to the procedures and conditions of the application
No. 80-532. The facility is located in Lot 15, Fremont
Industrial Park, Sec. 19, T1N, 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 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.

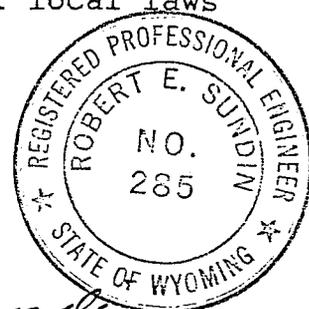
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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, 1980
Date of Issuance

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM L. GARLAND" and the number "P.E. # 1479".

Robert E. Sundin
Director
Dept. of Environmental Quality

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

JCH/yh

L. J.

PERMIT TO CONSTRUCT

New

Permit No. 80-533

Renewal

Modified

Holiday Inn

(Name of Facility)

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

Armstrong and Associates

204 West Fox Farm Road

Cheyenne, WY 82001

to construct, install, or modify a sanitary sewer and potable water supply

facility according to the procedures and conditions of the application

No. 80-533. The facility is located in Section 5, T13N, R66W

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

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

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

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.

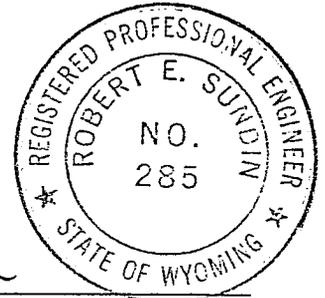
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality

October 10, 1980

Date of Issuance

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

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

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-534
Ref. 80-417

JUBY'S MOBILE HOME COURT
(Name of Facility)

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

EMMETT KNOX
ROUTE 2, BOX 3600
CODY, WYOMING 82414

to construct, install, or modify a WASTEWATER COLLECTION SYSTEM

facility according to the procedures and conditions of the application

No. 80-534. The facility is located in TRACT 71, T 53N,
R 101W

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.

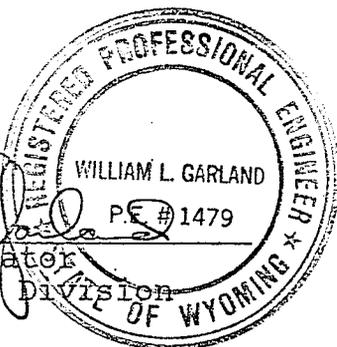
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

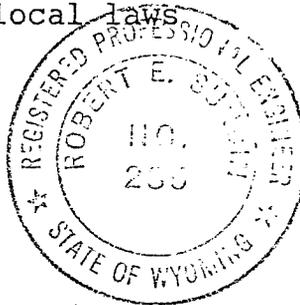
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Dept. of Environmental Quality

OCTOBER 15, 1980
Date of Issuance

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

JCH/yh

PERMIT TO CONSTRUCT

New

Permit No. 80-535

Renewal

Modified

Gidcumb Shop and Trailers Wastewater Facility

(Name of Facility)

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

Chester Gidcumb

Box 311

Wamsutter, WY 82336

to construct, install, or modify a small wastewater facility and collection line

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

o. 80-535. The facility is located in Sec. 34, T. 20N,

R. 94W

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.

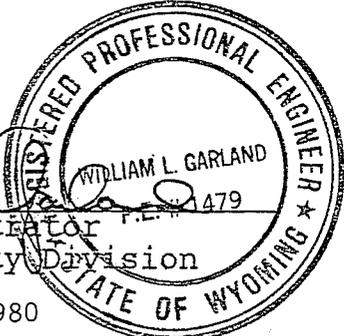
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

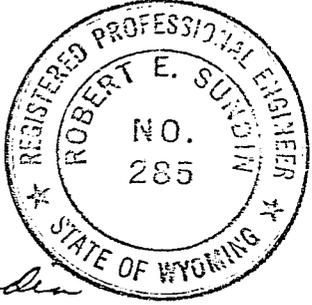
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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
Administrator
Water Quality Division
October 15, 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

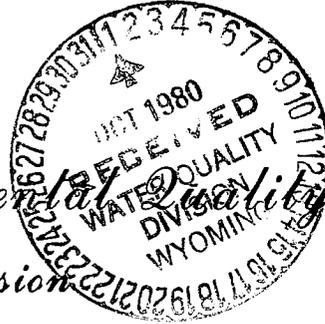


THE STATE OF WYOMING

80-535

ED HERSCHLER
GOVERNOR

Department of Environmental
Water Quality Division



933 MAIN LANDER, WYOMING 82520 TELEPHONE 307-332-3144

September 29, 1980

Chester Gidcumb
Box 311
Wamsutter, WY 82336

Re: Gidcumb Shop and Trailers

Dear Mr. Gidcumb:

As per our conversation of September 29, 1980, the plans for Gidcumb Shop and Trailers will be revised as we discussed. Upon receipt of the revised plans, a "Permit to Construct" will be issued.

Please consider this letter preliminary acceptance of the proposed wastewater facilities so you can obtain the necessary permits from the Planning Board. If they or anyone else has any questions, please have them contact me at this office.

Respectfully,

Francis LaBarge

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

cc: DEQ/WQD - Cheyenne

Plans received 10-10-80

PERMIT TO CONSTRUCT

New

Permit No. 80-536RRR

Renewal

Modified

Northeast Forty Townhouses

(Name of Facility)

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

William Currie Construction Company, Inc.

Star Route, Box 20

Jackson, WY 83001

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

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

No. 80-536RRR. The facility is located in Sec. 17, T. 40N,
R. 116W

in the County of Teton, 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.

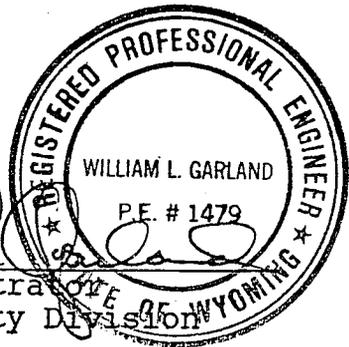
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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



Robert E. Sundin
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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Northeast Forty Townhouses

ENGINEER: Frank Grimes
Nelson Engineering
P.O. Box 1599
Jackson, WY 83001

OWNER: William Currie Construction Company
Star Route, Box 20
Jackson, WY 83001



WATER QUALITY DIVISION REFERENCE NUMBER: 80-536R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: November 25, 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.

1. Please provide the exact specifications of the four (4) inch service laterals on the plans.
2. Has Ken Sutton, Assistant Fire Warden, approved the proposed hydrant spacing?
3. On the profile view of the sewer line, the natural ground elevation is shown and the rim elevation of the manholes. Will fill be placed to bring the final ground elevation up to the rim elevations of the manholes? Can the pipe, as shown on the plans, support the anticipated loads?
4. Will weights be required to keep the water and sewer lines in place in the vicinity of the stream crossings?
5. Once it is determined the plans meet minimum design standards as defined by the State of Wyoming, the "Permit to Construct" will be issued on the agreement that construction may begin but occupancy will not be allowed until the Town of Jackson gives permission to use their system. It is requested that a letter from the owners of the Northeast Forty Townhouses be submitted to this office agreeing to this.

AC

Northeast Forty Townhouses
DEQ #80-536R

2

November 25, 1980

The plans for the tie in will have to be approved by this office also and a "Permit to Construct" issued for it.

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

FL/kn

cc: Bob Ablondi

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Northeast Forty Townhouses, *Teton*

ENGINEER: Frank Grimes
Nelson Engineering
P.O. Box 1599
Jackson, WY 83001

OWNER: William Currie Construction Co.
Star Route Box 20
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-536

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: October 15, 1980

ACTION: NOT AUTHORIZED.

REMARKS:

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

General

- 1.) The plans show there will be two stream crossings involved in this project. As a result an "Application for State Certification for Activities Requiring U.S. Army Corps of Engineers Dredge and Fill Permits" must be submitted. The enclosed application should be filled out and sent to, with a copy to me:

Michael Carnevale
Equality State Bank
401 W 19th Street
Cheyenne, WY 82002

Sewer

- 2.) The following design calculations of the sewer line are requested: contributing population, average flow contribution, average flow accumulation, peak flow accumulation, line capacity at each point in the line where additional flow is picked up. Calculations showing that the minimum scour velocity of 2 fps is met are also requested for the proposed line.
- 3.) Details of the sewer line crossing of the creek are requested.

Water

- 4.) What is the source of water for this development? Please provide figures to justify the source can adequately service the development.
- 5.) Design calculations showing normal working pressures and volumes of available water in the distribution system are requested.
- 6.) Design calculations showing available pressures and volumes of available water under fire flow conditions are requested.
- 7.) The plans show only two fire hydrants in the area. It appears more fire protection is needed. Contact should be made with Ken Sutton, Assistant Fire Warden, for proper hydrant spacing.
- 8.) The plans call for 5 feet of cover over the water mains, which will probably subject them to freezing. This office feels a minimum of 6-6.5 feet of cover is required to lower the chance of freezing.
- 9.) Where the water line crosses the creek will concrete weights be required to keep the line in place?

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

FL/yh

Enclosure

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 80-537RR

Well Site Control Building Small Wastewater Facility
(Name of Facility)

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

FMC Corporation

P.O. Box 872

Green River, WY 82935

to construct, install, or modify a small wastewater

facility according to the procedures and conditions of the application

No. 80-537RR. The facility is located in Sec. 36, T. 17N,
R. 110W

in the County of Sweetwater, 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.

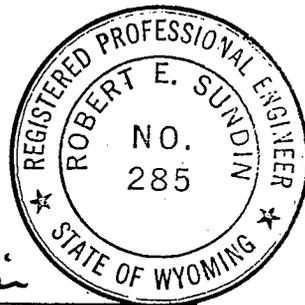
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

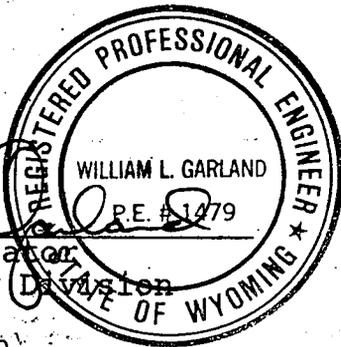
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

November 18, 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: Well Site Control Building Wastewater System
Appendix L of Application for In Situ Research
and Development Testing License
ENGINEER: Keith Bithell
Bithell Engineering, Inc.
P.O. Box 2226
Pocatello, Idaho 83201
OWNER: FMC Corporation
P.O. Box 872
Green River, WY 82935

cc: J. Winston Porter, Ph.D.
5 West Cornwall Street
Leesburg, VA 22075

WATER QUALITY DIVISION REFERENCE NUMBER: 80-537R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: November 3, 1980

ACTION: NOT AUTHORIZED.

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

1. You have indicated, on the checklist sheet, that a disposal bed is to be used but the plan sheet shows a disposal field.
2. The minimum acceptable disposal area is 1023 square feet. This is calculated from:

Volume of wastewater = 660 gallons per day

Percolation rate = 60 minutes per inch

$Q = 5/\sqrt{t}$ where t = percolation rate

$Q = 5/\sqrt{60} = .65$ gallons per square foot per day

Absorption Area = $\frac{660 \text{ gallons per day}}{.65 \text{ gallons/ft}^2/\text{day}} = 1023 \text{ ft}^2$ minimum

On the checklist, the trench width is shown as 2'-6" but on the plan sheet, it is shown as 3'-6". Which is it?

3. Are there any water lines or water wells within the minimum distances of the septic tank or leach field?
4. The leach field should be a minimum of 10 feet from the septic tank.

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

FL/kn

LEB

PERMIT TO CONSTRUCT

New

Permit No. 80-538R

Renewal

Modified

Cook Mobile Home Park and Wastewater Disposal System
(Name of Facility)

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

Dave Cook
Almy
Evanston, WY 82930

to construct, install, or modify five trailers - wastewater
collection system and two evapotranspiration beds

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

No. 80-538R. The facility is located in Sec. 13, T. 16N,
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.

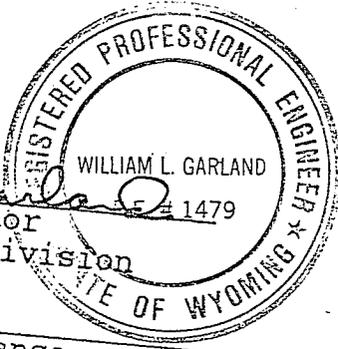
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

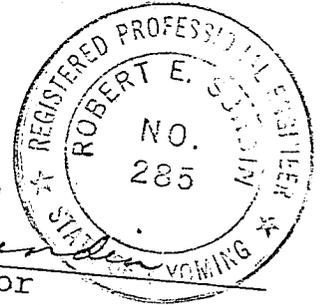
William L. Garland
Administrator
Water Quality Division



October 20, 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.

FL/kn

66

PERMIT TO CONSTRUCT

New

Permit No. 80-539

Renewal

Modified

Fire Station #3

(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 public water supply and sanitary sewer

facility according to the procedures and conditions of the application

No. 80-539. The facility is located in Section 34,

T14N, R66W

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

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

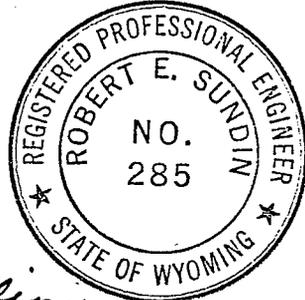
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

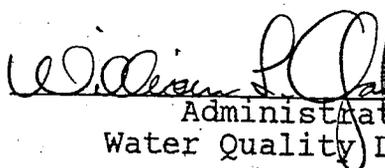
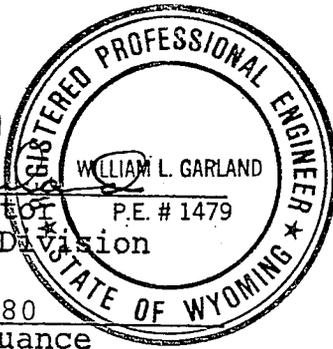
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

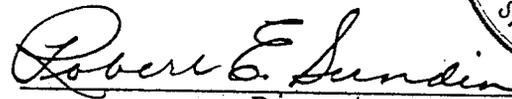
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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



Robert E. Sundin
Director
Dept. of Environmental Quality

October 17, 1980
Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 80-540

Renewal

Modified

BLOCK 13, LATIGO HILLS SUBDIVISION

(Name of Facility)

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

Housing Services, Inc.

P.O. Box 5300

Denver, Colorado 80217

to construct, install, or modify a public water supply and
sewage collection

facility according to the procedures and conditions of the application

No. 80-540. The facility is located in Section 27,

T.44N., 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.

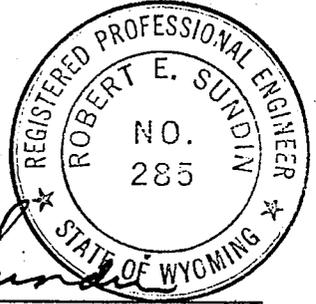
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

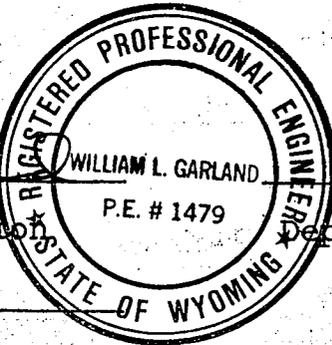
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

November 19, 1980
Date of Issuance

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



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

30 EAST GRINNELL

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6488

November 19, 1980

Sunrise Homes, Inc.
181 E. 56th Avenue, Suite 500
Denver, Colorado 80216



Gentlemen:

I am returning enclosed your application for permit to construct public water supply and wastewater facilities in Wyoming. From the sketch supplied with the application, it appears that each of the proposed facilities will be intended to serve only one building. In such cases, no permit is required.

It should be noted that if any of the facilities, particularly the sewer line to Apartment #1, will ever have additional connections made, a permit will be required at this time. If such is the case, please re-submit this portion of the application with the signature of a professional engineer upon the drawings.

If you have any questions on this matter, please do not hesitate to contact me.

Yours truly,

Tom Mueller
District Supervisor

TM/lis

Enclosures

cc: Gary Anderson, Gingery Associates
Frank Novak, Housing Services, Inc.

PERMIT TO CONSTRUCT

New

Permit No. 80-542R

Renewal

Modified

DAVE JOHNSTON MINE SEDIMENT CONTROL PONDS

(Name of Facility)

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

Glenrock Coal Company

P.O. Box 398

Glenrock, Wyoming 82637

to construct, install, or modify a runoff and sediment control
pond

facility according to the procedures and conditions of the application

No. 80-542. The facility is located within mine

permit area of said mine. (Attached sheet lists the pond facilities authorized for
construction and their locations.)

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 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.

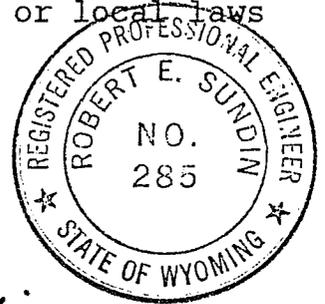
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

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
#2479
Administrator
Water Quality Division
STATE OF WYOMING

Robert E. Sundin

Director
Dept. of Environmental Quality

December 23, 1980

Date of Issuance

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

cc: Rebecca Mathisen, Land Quality Division

Don Crecelius
NERCO
111 SW Columbia
Portland, Oregon 97201

80-542

Exhibit A

Location of Sediment Control Structures



| <u>Structure</u> | <u>Legal Description</u> |
|---------------------|-------------------------------------|
| Sediment Pond #1 | NE1/4SW1/4 Sec. 3, T.35N.,R.75W. |
| Sediment Pond #3 | NE1/4SW1/4 Sec. 21, T.36N.,R.75W. |
| Sediment Pond #4 | SW1/4NE1/4 Sec. 21, T.36N.,R.75W. |
| Sediment Pond #5 | N1/2NW1/4 Sec. 3, T.35N.,R.75W. |
| Sediment Pond #6 | N1/2NW1/4 Sec. 3, T.35N.,R.75W. |
| Sediment Pond #7 | NW1/4NW1/4 Sec. 3, T.35N.,R.75W. |
| Sediment Pond #8 | NW1/4SW1/4 Sec. 34, T.36N.,R.75W. |
| Sediment Pond #9 | SW1/4SE1/4 Sec. 28, T.36N.,R.75W. |
| Sediment Pond #10 | NW1/4SE1/4 Sec. 28, T.36N.,R.75W. |
| Sediment Pond #11 | NW1/4SE1/4 Sec. 28, T.36N.,R.75W. |
| Sediment Pond #12 | W1/2NE1/4 Sec. 28, T.36N.,R.75W. |
| Sediment Pond #13 | NE1/4NW1/4 Sec. 28, T.36N.,R.75W. |
| Sediment Pond #14 | SW1/4NE1/4Sec. 28, T.36N.,R.75W. |
| Sediment Pond #15 | NE1/4SW1/4 Sec.21, T.36N.,R.75W. |
| Sediment Pond #16 | W1/2NE1/4 Sec. 10, T.35N.,R.76W. |
| Sediment Pond #17 | NW1/4NW1/4 Sec. 11, T.35N.,R.75W. |
| Sediment Pond #18 | NE1/4SW1/4 Sec. 11, T.35 N.,R.75 W. |
| Sediment Pond #19 | NE1/4SW1/4 Sec. 11, T.35N.,R.75 W. |
| Sediment Pond #20 | NE1/4SW1/4 Sec. 11, T.35N.,R.75W. |
| Sediment Pond #21 | SE1/4SE1/4 Sec. 11, T.35 N.,R.75W. |
| Sediment Pond #22 | SW1/4SW1/4 Sec. 12, T.35N.,R.75W. |
| Diversion Ditch #22 | SW1/4 Sec. 12, T.35N.,R.75W. |
| Sediment Pond #23 | NW1/4NE1/4 Sec. 16, T.36N.,R.75W. |
| Sediment Pond #24 | NE1/4NE1/4 Sec. 16, T.36N.,R.75W. |
| Sediment Pond #25 | SE1/4SE1/4 Sec. 9, T.36N.,R.75W. |
| Sediment Pond #26 | NW1/4SW1/4 Sec. 10, T.36N.,R.75W. |
| Sediment Pond #27 ✓ | NW1/4NW1/4 Sec. 10, T.36N.,R.75W. |

*AS BUILT SP#1, SP#3, SP#4

LEB

PERMIT TO CONSTRUCT



New

Permit No. 80-543R



Renewal



Modified

Chinook Pipeline, Inc.

(Name of Facility)

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

Chinook Pipeline, Inc.

Drawer 950

Douglas, WY 82633

to construct, install, or modify a subsurface wastewater disposal

facility according to the procedures and conditions of the application

No. 80-543R. The facility is located in Section 8, T32N, R71W

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

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

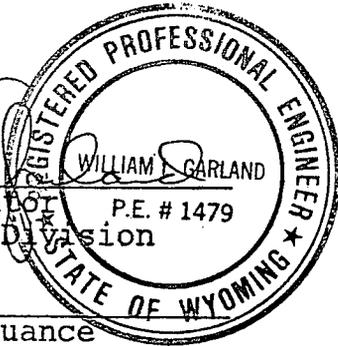
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

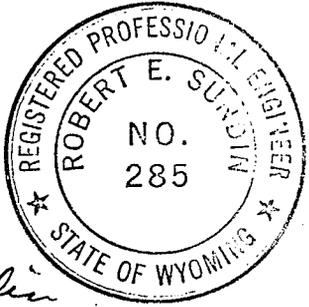
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division
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: John Lambert
Box 34
Douglas, WY 82633

Review of Plans and Specifications

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

PROJECT: Chinook Pipeline, Inc. *Converse*

ARCHITECT OR ENGINEER: John A. Lambert, P.E.
P. O. Box 34, Douglas, WY 82633

WATER QUALITY DIVISION REFERENCE NUMBER: 80-543

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

Theodore D. Coyer

DATE OF REVIEW: October 21, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Are there any wells on or adjacent to this property? If so, please show them.
2. The septic tank outlet elevation must be at least three inches lower than the inlet elevation.
3. Please show the frontage street or road and its name.
4. The plans and specifications must either be signed or sealed by an engineer registered in Wyoming.

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Spring Creek Meadows I

ENGINEER: ?

OWNER: SCM Partnership
76 N 10 E
Brigham City, Utah 84302

WATER QUALITY DIVISION REFERENCE NUMBER: 80-544

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: 10/16/80

ACTION: NOT AUTHORIZED.

COMMENTS: The following points have to be clarified to complete the review of the proposed Spring Creek Meadows I Subdivision before a "Permit to Construct" can be issued.

Please fill out and sign the enclosed "Application for a Permit to Construct". As a reminder, Chapter III of the Wyoming Water Quality Rules and Regulations, a copy of which is enclosed, states that a "Permit to Construct" must be issued before any construction can take place.

This office requires three copies of the plans. The plans must be signed and stamped by a professional engineer registered in the State of Wyoming. An additional copy of the plans should be sent to:

Robert Ablondi
Teton County Sanitarian
P.O. Box 1727
Jackson, WY 83001

Mr. Ablondi will also review the plans, on the local level, and forward his comments to me.

Water System

What designation and class of water pipe is to be used? AWWA C-900 is recommended. Pressure calculations will determine what class is needed.

What type and class of valves and fire hydrants are to be used?

What is the source of water for this subdivision?

If the source is owned by another party, a letter is required from them stating they can supply sufficient volumes of water at the required pressures.

Calculations of the water system are required. These should show what the minimum and maximum pressures and volumes will be at various points in the system.

The amount of thrust blocking required at all points on the water line should be indicated on the drawings.

Details are needed of the connection between existing water line and the proposed water line.

The water line should have a minimum of 6 to 6½ feet of cover.

A minimum of 10 feet horizontal separation from edge of water pipe to edge of sewer pipe is required. This should be indicated on the drawings.

The proposed water and sewer lines cross between Station 4+00 and Station 5+00. The sewer line should be shown on the water line profile.

Information is needed on bedding, leakage testing, and disinfection.

Details are needed of the water and sewer line crossings.

How will the water be metered? Please provide details.

Details of the fire hydrant connections are requested.

Details of the water service lines and connection to the main are requested.

Details of where the water line crosses Southside ditch are requested.

State Certification may be required for the water and sewer line crossing of Southside ditch. Mike Carnevale, at 777-7781 in Cheyenne, should be contacted. I am enclosing an "Application for State Certification for Activities Requiring U.S. Army Corps of Engineers Dredge and Fill Permits". I doubt if you will have to file with the Army Corps but I think you may need State Certification. Mr. Carnevale will make that determination.

Sewer

What is the designation of the proposed PVC sewer line? ASTM D 3034 SDR 35 is recommended. Fittings for connecting service should be of the same material, construction and joint design as the sewer pipe.

Calculations showing that a minimum scour velocity of 2 fps can be met are requested.

Assume the lagoon where the proposed sewer line discharges is an existing part of the Targhee Village system. A letter from the owners of the lagoon is required stating that they will accept the sewage and that the lagoon can handle the additional load.

Sewer line installation specifications are requested.

What bedding class is to be used?

What will the backfill material be?

What type of deflection test will be used? Specifications of this test are requested.

What type of joints will be used?

What type of leakage test will be used? Specifications of this test are requested.

What is the allowable infiltration rate being used?

Details are needed of the manholes.

Details of where the sewer line crosses Southside ditch are requested.

General

I realize I have requested a lot of additional information. The Wyoming Public Works Standards contains all of the specifications on fire hydrants, bedding, leakage tests, water line disinfection, water service connections, bedding classes for sewer lines, backfill materials, deflection tests, allowable infiltration rates, and manhole details. If you choose to reference the Wyoming Public Works Standard Specifications, details of these items do not have to be repeated. However, the rest of the questions in the review should be answered.

The following paragraph should be stamped on each set of plans, if you choose to use the standards: "The 1979 Wyoming Associated General Contractor (AGC), Public Works Standards, shall apply. All work to be in conformance with the standards and specifications of the Wyoming AGC."

A copy of the Wyoming Public Works Standard Specifications can be obtained from:

The Wyoming Public Works Specifications Committee
c/o Associated General Contractors of Wyoming, Inc.
P.O. Box 965
Hitching Post Inn
Cheyenne, WY 82001
Phone: 307 632-0573

Please submit the required information and revised drawings, in triplicate, to this office with a copy to Bob Ablondi in Jackson. If you have any questions, please call me.

FL/kn

closures

cc: Dan Cowee
Bob Ablondi

Cheyenne



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 2, 1981

Mr. Robert L. Farnsworth, P.E.
P.O. Box 1599
Jackson, WY 83001

RE: Permit No. 80-545RR, C.O. #1

Dear Mr. Farnsworth:

In regard to your request to change fiberglass tanks in the River-meadows project, some additional information is requested. First of all, I would like to know of any concerns NSF has raised about the tank. Also, please check on any similar uses of the tank in Wyoming.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AJB:nb
Copy: Cheyenne DEQ/WQD
File (3)

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 26, 1982

Nelson Engineering
PO Box 1599
Jackson, WY 83001
ATT: Mr. Paul Selsky

RE: C.O. #1, 80-545RR; Fiberglass
Water Storage Tank

Dear Mr. Selsky:

This letter will constitute authorization of the above referenced change order. The change will be filed with the original permit.

Should you have question, please feel free to call me.

Respectfully,

Albert J. Berreth
Albert J. Berreth
District III Supervisor

AJB:ch

cc: Cheyenne DEQ/WQD
File (3)

PERMIT TO CONSTRUCT



New

Permit No. 80-545RR



Renewal



Modified

RIVERMEADOWS SUBDIVISION

(Name of Facility)

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

RIVERMEADOWS, INC.

BOX 608

WILSON, WYOMING

83014

to construct, install, or modify a Water System

facility according to the procedures and conditions of the application

No. 80-545RR. The facility is located in Sec. 10, T. 40N,

R. 117W

in the County of Teton, 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.

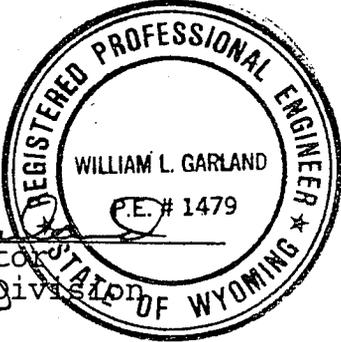
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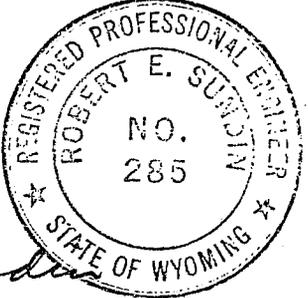
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Dept. of Environmental Quality

December 11, 1980
Date of Issuance

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

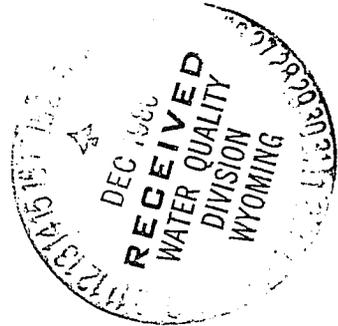
AJB/yh

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: Rivermeadows Subdivision

ENGINEER: Robert L. Farnsworth
Box 1599
Jackson, WY 83001

OWNER: Rivermeadows, Inc.
Box 608
Wilson, WY 83014

WATER QUALITY DIVISION REFERENCE NUMBER: 80-545RR

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

DATE OF REVIEW: December 11, 1980

ACTION: ~~NOT~~ authorized.

COMMENTS:

That when a schedule of construction is established, the DEQ office in Lander will be notified. An inspector from the office may visit the job to check compliance with the permit.

AJB/yh

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: WATER SYSTEM EXPANSION - RIVERMEADOWS SUBDIVISION

ENGINEER: Robert L. Farnsworth
Nelson Engineering
Box 1599
Jackson, WY 83001

OWNER: Rivermeadows, Inc.
Box 608
Wilson, WY 83104

WATER QUALITY DIVISION REFERENCE NUMBER: 80-545R

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

DATE OF REVIEW: December 5, 1980

ACTION: Not authorized.

COMMENTS: The corrections made on the drawings were of good quality and very nearly complete. Perhaps the initial review comments were not detailed enough. Before a "Permit to Construct" can be issued the following items need further clarification.

WATER DISTRIBUTION SYSTEM - PHASE I

1. All items mentioned in the review in this section have been satisfactorily answered.
2. In a phone conversation with Mr. Farnsworth, concern was expressed about the lack of looped lines in the system. He stated that the master plan would end the dead end lines and loop the various water lines. Since 1.) the final looping of lines may take years, 2.) the various loops are rather large, and 3.) "TenStates Standards" states (8.1.6) "Dead ends shall be minimized by looping of all mains whenever practical," another look needs to be taken at the number of dead end mains in this system.

BOOSTER STATION AND STORAGE TANK - PHASE II

1. A 10 horsepower pump is shown on page 9 of 14.

A, B, C

2. Under item 5, a hydraulic analysis of the pumphouse system was requested. For example, Well No. 1 is down and the water level has dropped to 6232.0 in the storage tank.
3. Concerning item 9, "Ten States Standards" states (6.6.36) "Each pump shall have a compound gauge on its suction line."

WELL CONSTRUCTION - PHASE III

1. Casing material as specified in "Ten States Standards" under section 3.2.5.3 is heavier than that included in the specifications.

AJB/yh

cc: Cheyenne
Robert Ablondi



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 10, 1980

Nelson Engineering
P.O. Box 1599
Jackson, WY 83001

Attention: Kenneth G. Berg

Re: Water System Expansion -
Rivermeadows Subdivision
DEQ #80-545

Dear Mr. Berg:

Recently, I joined the Lander staff of DEQ as Southwest Area Engineering Evaluator. One of my first reviews was the Rivermeadows Subdivision. Several comments and questions were raised in that review. Should you have questions about this review, please call, or if you wish, we can arrange to get together and discuss the project.

Sincerely,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AJB/kn

Enclosure

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Water System Expansion - Rivermeadows Subdivision

ENGINEER: Robert L. Farnsworth
Box 1599
Jackson, WY 83001

OWNER: Rivermeadows, Inc.
Box 608
Wilson, WY 83014

WATER QUALITY DIVISION REFERENCE NUMBER: 80-545

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

DATE OF REVIEW: November 10, 1980

ACTION: NOT AUTHORIZED.

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

Water Distribution System - Phase I

1. A complete hydraulic analysis with energy grade lines for peak demand and fire flow demand is needed for the entire system including master plan.
2. A justification of pipe size and rating from the above analysis is needed. It should be noted that the State of Wyoming has derated permastran pipe.
3. The number, type, and location of fire hydrants can be verified with Ken Sutton, Teton County Assistant Fire Warden. Please include a schedule of their planned installation.
4. It appears that relatively high service pressure will occur at several sites. It should be brought to the attention of the purchasers that individual pressure relief valves would be desirable.
5. For dual service connections, individual curb stops are needed.
6. All gate valves need to have thrust blocks. This detail can be found in the Wyoming Public Works - standard drawings.

Booster Station and Storage Tank - Phase II

A. Booster Station

1. Your letter of October 15, 1980 states "The existing system has a well and pump capacity of 36 gpm.", yet your calculations use 50 gpm.
2. A complete description of operation is needed with narrative on the electrical system and pump safeguards.
3. Characteristic pump curves need to be supplied for the pumps used.
4. Resolution of whether the 10 HP pumps in the drawings or the 7½ HP pumps in the specifications are to be used needs to be made.
5. A complete energy grade line analysis through the plant from storage and well needs to be made at maximum pumping rate.
6. Chlorination is strongly recommended for a facility of this type.
7. With one pump down, the system should be capable of meeting demand. This needs to be shown.
8. The location of the water meter is unclear.
9. Suction line pressure needs to be gauged with a gauge capable of reading negative pressures.
10. Recommend the installation of a building block vent.
11. A calculation of the operation and maintenance requirements needs to be made in order to provide the owner with some idea of electrical bills, manpower needs, etc.
12. Running time meters should be provided for each of the pumps.
13. A test pump documenting that 50 gpm can be produced is needed.

B. Storage Tank

1. Location of tank drain needs to be shown.
2. A detail for the drain outlet needs to be shown. A splash pad and screen are needed.
3. Access to the storage tank needs to be elevated 24 to 36 inches above the finished grade.
4. A hinged, watertight cover capable of being locked is needed.

5. Better detail of the piping through the tank is needed. It should resolve the type of connection, location, and reentrant openings.
6. Site drainage needs to be shown.

Well Construction - Phase III

1. Casing material needs to be specified on the drawings and in the specifications.
2. It should be noted that the well cap needs to be vented.
3. The well needs to be grouted approximately 20 feet below the ground surface.
4. The well needs to be test pumped for 24 hours or until stabilized draw down has continued for at least 6 hours when test pumped at 1.5 times the design pumping rate. I would recommend the step test which yields valuable information about the aquifer.
5. If the well is completed in a sand or gravel aquifer, a stainless steel screen is needed.

General Comments

1. The developer will need to inform buyers that permits to construct septic tanks and drainfields need to be obtained from the appropriate reviewing authority.
2. The owner needs to be aware of the fact that periodic monitoring of the water supply is required to fulfill the requirements of the EPA Safe Drinking Water Act.
3. A lingering question on this development is the length of time the temporary facilities will be used. Unless a definite time schedule for the entire development can be supplied, the possibility remains that the temporary could become permanent.

AJB/kn

log & file

Review of Plans and Specifications

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

PROJECT: Roden Watermain Extension

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

WATER QUALITY DIVISION REFERENCE NUMBER: 80-546

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

DATE OF REVIEW: October 29, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

This plan does not meet our criteria for

- a. Fire hydrant spacing
- b. Location of fire hydrant or blow-off where a dead-end main occurs. --
 1. DEQ cannot require fire hydrants where the water main is not intended for fire protection. However, in talking with Dave Hill of Casper, BPU, he stated that this water main is intended to be extended across the railroad tracks and a fire hydrant to be installed at that time. With this intent, the water main is proposed for fire fighting and thus fire hydrants must be adequately spaced along the length of the main.
 2. The Ten States Standards require a blow-off or flushing hydrant to be located where a dead-end main occurs.

In discussing this plan with my supervisor, we can at this time, only require a blow-off or flushing device at the dead-end. Bacterial contamination is of concern where the water is not frequently used or exchanged as is this case with only one user on 670 l.f. of 8" diameter pipe.

11/12-10-20

PERMIT TO CONSTRUCT

Permit No. 80-546R

- New
- Renewal
- Modified

Roden Watermain Extension
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a municipal public water distribution system - 8" water extension to single family dwelling facility according to the procedures and conditions of the application No. 80-546R.

The facility is located in Queen Street/Old Yellowstone Highway, Sec. 35, 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.

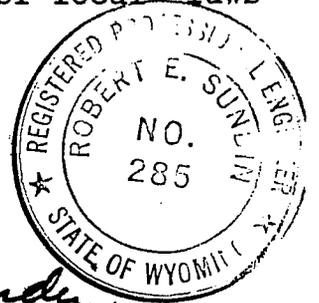
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

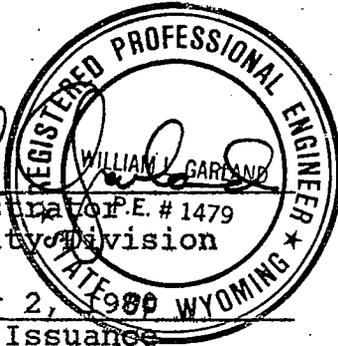
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 J. Garland
Administrator P.E. # 1479
Water Quality Division
December 2, 1988
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: Dave Hill
Casper Board of Public Utilities
200 North David
Casper, WY 82601

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

PERMIT TO CONSTRUCT



New

Permit No. 80-547



Renewal



Modified

POWDER BASIN CENTER WATER AND SEWER — GILLETTE

(Name of Facility)

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

W. M. Grace Construction

2007 G Holiday Plaza

Gillette, Wyoming 82716

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

facility according to the procedures and conditions of the application

No. 80-547. The facility is located in Section 34,

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.

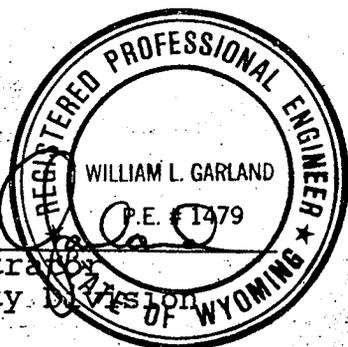
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

November 20, 1980
Date of Issuance

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

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

141
2-3-81

PERMIT TO CONSTRUCT

New

Permit No. 80-548RRR

Renewal

Modified

Cedarwoods of Jackson Hole Subdivision
(Name of Facility)

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

Paul Goddard

P.O. Box 370

Jackson, Wyoming 83001

to construct, install, or modify a water distribution and
sewage collection systems for 32 units.

facility according to the procedures and conditions of the application

No. 80-548RRR. The facility is located in

Sec. 17, 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.

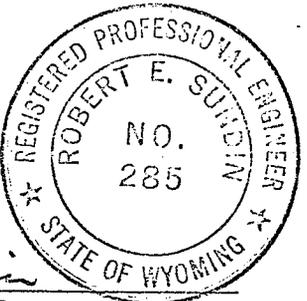
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the production of credentials and during working hours, to have access to all parts of the facilities, at the above location, for the purpose of compliance with the provisions 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
January 21, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL/nb

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Cedarwoods of Jackson Hole Subdivision

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

OWNER: Paul Goddard
P.O. Box 370
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-548R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: November 21, 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. I will respond to your letter in the order of your presentation.

Sewer

1. As stated in Ten State Standards, no gravity sewer conveying raw sewage shall be less than eight (8) inches in diameter. After conferring with Bob Ablondi, the six inch line will be allowed this time. However, in the future, please plan on using a minimum size line of 8 inches. The six inch line will no longer be accepted.

A note should be placed on the drawing that in no case will any additional taps be allowed on this line. If the possibility of future taps exists, then the 8 inch line is required.

2. Okay
3. Okay
4. As stated in the Uniform Plumbing Code:

Section 1106

(a) Building sewers shall be run in practical alignment and at a uniform slope of not less than one-fourth ($\frac{1}{4}$) of an inch per foot toward the point of disposal; provided, that where it is impractical, due to the depth of the street sewer or to the structural features or to the arrangement of any building or structure, to obtain a slope of one-fourth ($\frac{1}{4}$) of an inch per foot,

A, B, C

any such pipe or piping four (4) inches or larger may have a slope of not less than one-eighth (1/8) of an inch per foot, when approved by the Administrative Authority.

Based on the fact that this is a completely new subdivision, there should be no reason the laterals cannot be installed at a slope of 2%. The drawing should be changed to show 2% slope.

5. As stated in Number 1, the six inch line will be allowed this time. The calculations for these 2 lines are satisfactory. Information is requested on the 10 inch line into which the 6 inch lines tie into. Please supply calculations and data to show that this line can accept this additional flow.
6. On the Legend, you call for 6" PVC sewer line (SDR 35). It should specifically state ASTM D3034 SDR35. Please supply the exact specs for the 4 inch lines also.
7. It is the feeling of this office that a minimum cover of five (5) feet is required. Line 'N' at MHC has only 1.4 feet of cover. Line 'S' at MHF has only 2.4 feet of cover. This is unacceptable and will not be approved as shown. The grades should be adjusted to provide more cover and in areas that are questionable, 2 inch thick styrofoam insulation should be provided. Another consideration that must be accounted for is the load bearing capacity of the PVC line. Is this line going to be in the roadway? Please supply calculations showing it can withstand the loads that will be imposed upon it.
8. The original Rafter "J" sewage system was permitted for 50 residences, 160 people or 16,000 GPD under Phase I. This was Permit Number 79-115 issued on March 28, 1979. It is explicitly stated that Phase II was to be placed into service prior to the 51st residence being placed on line. The maximum number of residences allowed on the system (Phases I and II) is 100. Prior to the 101st residence being placed on line, the developer shall either connect to the Town of Jackson wastewater treatment plant or construct a sewage treatment plant approved by the appropriate government agencies and abandon the septic tank system.

Permit Number 80-181R was issued to Southeast Forty Townhouses at Rafter J Subdivision on May 19, 1980 for 20 units.

Permit Number 80-191R was issued to Ranch Creek Subdivision on May 16, 1980 for 36 units. This subdivision was never built and the application is in the process of being withdrawn.

We have an application, DEQ Reference Number 80-536 received on October 10, 1980, for Northeast Forty Townhouses for 36 units.

As I understand it, there are approximately 40 additional homes already on the system for a current total of about 60 units using the system approved for 50 units. Once the plans are approved for Cedarwoods, this office is willing to issue the "Permit to Construct" and allow construction to commence on the condition that no one occupy the units until the Town of Jackson gives the go ahead to use their system. That will probably be when the new plant opens,

This is the same condition that is imposed on the Northeast Forty Townhouses Subdivision. This will require that the plans show the sewer line to and the connection to the Jackson Interceptor. Also, a letter from Mel Webb is required stating the tie-in will be allowed and that he is aware no occupancy will take place until permission is given to start using the Jackson system.

9. Okay
10. Okay
11. Okay
12. The plans call for 6" water line class 160 Min. not AWWAC-900 class 100 as stated in your letter.
13. Okay
14. Okay
15. The depth of cover over the water line is acceptable, however, a profile of the water system is requested.
16. Okay
17. Okay
18. Okay
19. The question of thrust blocking still needs to be clarified. How much thrust blocking is required for the gate valves, fire hydrants and where the 6 inch line ties into the 8 inch line?

Thrust blocking requirements for 6 inch water main fittings are as follows:

Tees - 3.8 ft²
45° Bends - 2.9 ft²
22½° Bends - 1.5 ft²

In the case of the tees and the 22½° bends, why have you required so much thrust blocking?

Additional Comments

20. Details of the tie-in to the existing manholes are requested.
21. The local officials have requested that the following statement be placed on the plans:

"The maximum infiltration or exfiltration allowed by the City of Jackson is 200 gallons per day per inch diameter per mile. The contractor shall make repairs as necessary to reduce infiltration or exfiltration leakage below the specified rate."

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

cc: Bob Ahlndi

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Cedarwoods of Jackson Hole Subdivision, *Teton Co.*

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

OWNER: Paul Goddard
P.O. Box 370
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-548

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: October 24, 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.

General

An additional copy of the plans should be sent to:

Mr. Robert Ablondi
Teton County Sanitarian
P.O. Box 1727
Jackson, WY 83001

Mr. Ablondi will also review the plans, on a local level, and forward his comments to me.

Sewer

1. Minimum acceptable sewer size is 8 inches.
2. Manholes are required where the proposed sewer lines intersect the existing 10 inch sewer line. These manholes should be indicated on the plan view and also on the profile view.
3. The plan view shows 6 inch sewer lines while the profile view shows 8 inch lines.
4. The 4 inch laterals do not have enough slope. They should have a minimum slope of 2%.

A, B, C

PERMIT TO CONSTRUCT

New

Permit No. 80-549

Renewal

Modified

NEIMAN TRAILER COURT — HULETT

(Name of Facility)

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

Neiman, Mike and Vick

c/o Ralph Goodson, P.O. Box 130

Sundance, Wyoming 82729

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

facility according to the procedures and conditions of the application

No. 80-549. The facility is located in Section 12,

T.54N., R.65W.

in the County of Crook, 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.

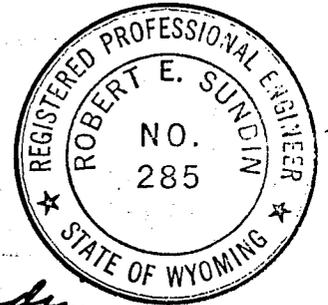
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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 *WILLIAM L. GARLAND*
Water Quality Division # 1479
November 19, 1980
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 24, 1980

Mr. James H. Kandolin
Director of Regulatory Compliance
NERCO, Inc.
111 S.W. Columbia, Suite 800
Portland, Oregon 97201

Re: Bridger Coal Company
DEQ #80-550

Dear Mr. Kandolin:

I am in receipt of your letter dated October 15, 1980 requesting permission to construct a discharge pond at the Bridger Mine without a "Permit to Construct". This office is willing to grant your request with the following stipulations:

1. A formal application for a "Permit to Construct" is forthcoming in a timely manner.
2. If upon the review of the plans by this office it is found modifications to this pond are requested, they will be done in a timely manner.
3. If, upon an on-site inspection by DEQ personnel, it is discovered that modifications to this pond are required, they will be made in a timely manner.
4. John Wagner's concerns are recognized and his suggestions followed.

In summary, permission to construct this single pond without a "Permit to Construct" is granted providing you are in agreement with the above stipulations. Please be advised this letter does not exempt NERCO, Inc. from any other State or Federal laws or regulations.

Respectfully,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

cc: John Wagner
Dave Richards