

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
165 E. Railroad Ave.
Green River, Wyoming 82935
Phone: (307) 875-6911

PROJECT: SWIFT CREEK APARTMENTS

ENGINEER: Jerrold White
White Engineers
2680 Grover Court
Boise, ID 83709

OWNER: Ray Crowder
Wilson Crowder Architects/Planners
6710 Overland Road
Boise, ID 83709

WATER QUALITY DIVISION REFERENCE NUMBER: 83-401

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: *8-21-83*

ACTION: NOT AUTHORIZED

COMMENTS: An initial review of your plans and specifications has been made. Before the review can be completed and a "Permit to Construct" issued, the following points need to be resolved or addressed:

APPLICATION FORM

1. The application form must be signed by the owner/operator of the facilities.
2. The legal description is needed on application form. (Section, Township, Range)

SEWER COLLECTION SYSTEM

1. The line connecting the collection lines from Buildings 3 and 4 should be a 6 inch line.
2. A manhole should be located at the above mentioned connection.
3. A manhole should be located at the 3 locations on the 6 inch main where the building collection lines connect. The proposed manhole between buildings 3 and 2 can be eliminated.
4. A note or detail should be placed on the plans indicating the depth of cover over water and sewer lines.
5. Clean out and manhole detail diagrams should be included with the plans.
6. A note or detail should be placed on the plans addressing water line and sewer line separation distances. Refer to pages 14 and 15 of the enclosed Chapter 3 Wyoming Water Quality Rules and Regulations.

Please submit the required information and revised drawings in triplicate to this office. Upon receipt of a satisfactory reply, the review will be completed and a "Permit to Construct" issued. If you have any questions please call me. Your cooperation is appreciated.

ABC

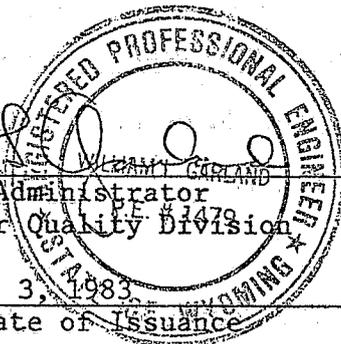
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

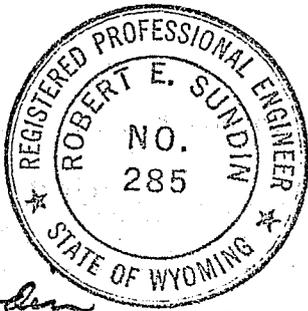
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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, William D. Garland, State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "WILLIAM D. GARLAND", "STATE OF WYOMING", and "No. 51478".
William D. Garland
Administrator
Water Quality Division
October 3, 1983
Date of Issuance

A circular seal for a Registered Professional Engineer, Robert E. Sundin, State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "ROBERT E. SUNDIN", "STATE OF WYOMING", 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.

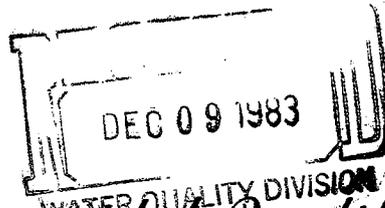
JB:mpm

cc: Jerrold R. White
White Engineers
2680 Grover Court
Boise, ID 83705

THE STATE



OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

November 18, 1983

Judy Golden
Protect Control
5921 Thomas Road
Houston, Texas 77041

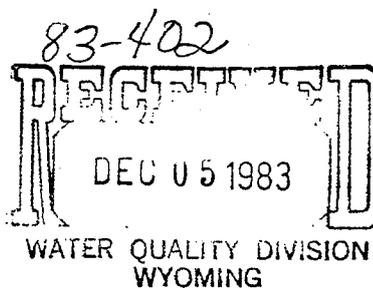
Dear Ms. Golden:

Our records indicate an application for a "Permit to Construct" has not been resubmitted to this office for authorization. The specific information for your proposed project are:

Facility name:	Dan L. Oswald - Protect Control
DEQ/WQD Reference No.:	83-402
Engineering Consultant:	George Crank - Johnson, Fermelia & Crank
DEQ/WQD Review Evaluator:	Jack Bedessem <i>JB</i>
Date of DEQ/WQD Review:	8/16/83 - Phone Review
Facility Description:	Private Septic Tank
Facility Location:	Sec. 36, T21N, R116 - Lincoln County

Please indicate below the status of your application and return this form to the letterhead address:

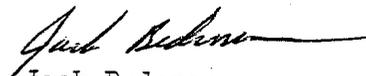
- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction, As-Built construction plans and specifications will be submitted within 30 days.
- Other remarks _____



Judy Golden
Protect Control
November 18, 1983
Page 2

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, and is punishable with a fine not to exceed \$10,000 for each day of noncompliance. Please submit the required information to this office, in triplicate, within 15 days of receipt of this letter. If you have any questions please contact me.

Sincerely,


Jack Bedessem
Area III Supervisor

JB:mpm

cc: Cheyenne DEQ/WQD
File



Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

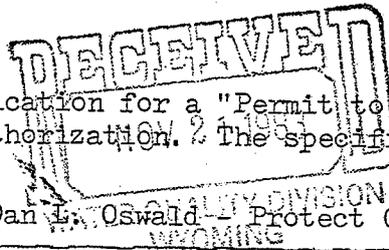
TELEPHONE 307 875-6911

November 18, 1983

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Protect Control
5921 Thomas Road
Houston, Texas 77041

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- Other remarks _____

Judy Golden
Protect Control
November 18, 1983
Page 2

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Sincerely,


Jack Bedessem
Area III Supervisor

JB:mpm

cc: Cheyenne DEQ/WQD
File

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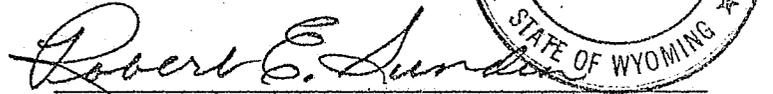
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

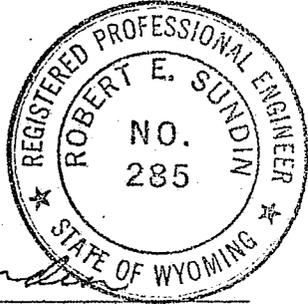
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division
PE # 1479
November 15, 1983
Date of Issuance

Director
Dept. of Environmental Quality


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

JB:mpm

cc: Kevin D. Jones
Carlton & Carlton
748 Lombard Street
Evanston, WY 82930

8-2-83

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 83-404

Mount Hope Addition
(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 water distribution and wastewater collection facility according to the procedures and conditions of the application No. 83-404. The facility is located in Section 17, 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.

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

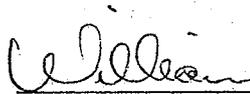
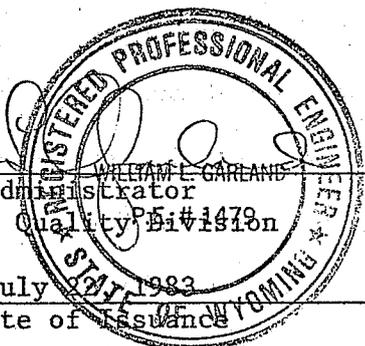
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

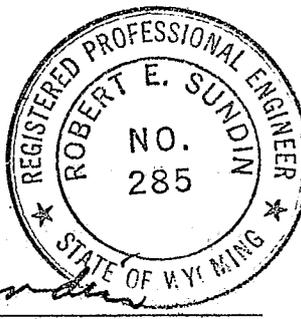
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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 E. GARLAND
Administrator
Water Quality Division
July 1983
Date of issuance



Director
Dept. of Environmental Quality

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

cc: Frank Luers
Western Engineers-Architects
501 North Sun Drive
Casper, WY 82601

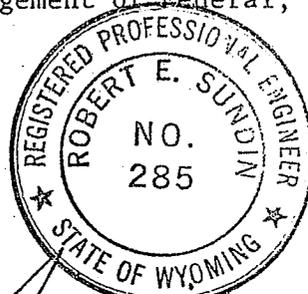
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

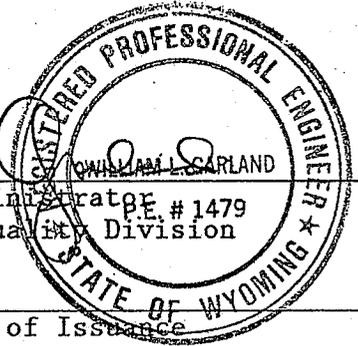
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AUTHORIZED BY:



Robert E. Sundin

Director
Dept. of Environmental Quality



William L. Garland

Administrator
Water Quality Division
P.E. # 1479

8/22/83

Date of Issuance

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

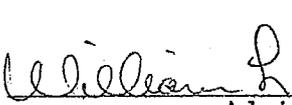
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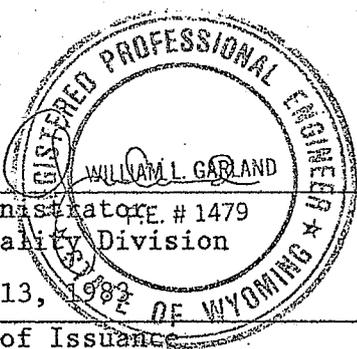
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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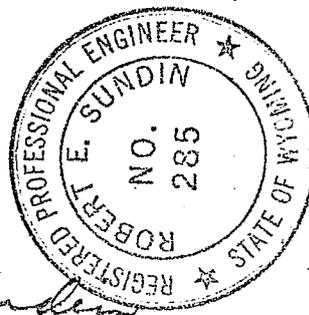
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator, # 1479
Water Quality Division
December 13, 1982
Date of Issuance




Director
Dept. of Environmental Quality



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

JB:mpm

cc: Jay R. Anderson
Great Basin Engineering
P. O. Box 9307
Ogden, UT 84409

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
165 E. Railroad Ave.
Green River, Wyoming 82935
Phone: (307) 875-6911

PROJECT: Ridgecrest Subdivision

ENGINEER: Great Basin Engineering, Inc.
P. O. Box 9307
Ogden, UT 84409

OWNER: TJG Corp.
C/O Main Realty
937 Main Street
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 83-406

REVIEWING ENGINEER: Al Berreth *ajf*

DATE OF REVIEW: August 22, 1983

ACTION: NOT AUTHORIZED

COMMENTS: Your permit is being held pending the following:

1. A manhole is required on the south end of Hathaway Avenue.
2. A summary of the pressure analysis is needed.
3. Any comments from the city must be addressed and corrected drawings submitted.

cc: Wayne Shepherd
Cheyenne DEQ/WQD
File (4)

ABC

ing 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.

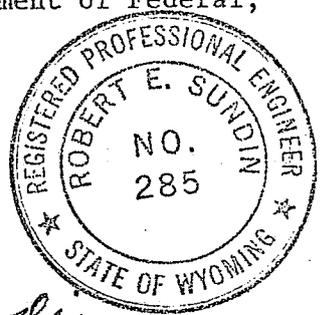
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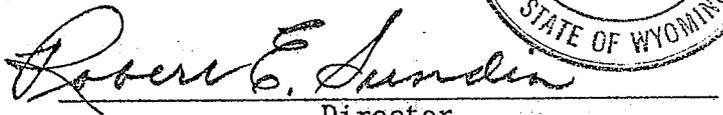
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AUTHORIZED BY:


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




Director
Dept. of Environmental Quality

October 21, 1983
Date of Issuance

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

JB:mpm

cc: Charles B. Richardson
Jack Noblitt & Associates
1920 Thomes Avenue Suite 620
Cheyenne, WY 82001

9-21-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-409R

Earl Preston Wastewater Facility
(Name of Facility)

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

Earl Preston

P.O. Box 679

Big Piney, WY 83113

to construct, install, or modify a disposal system to serve a new warehouse with one or two person office staff facility according to the procedures and conditions of the application No. 83-409R. The facility is located in Section 8, T29N, R111W in the County of Sublette, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

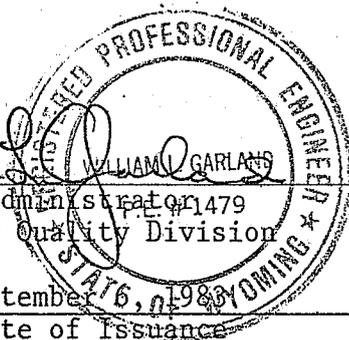
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875, 6911.

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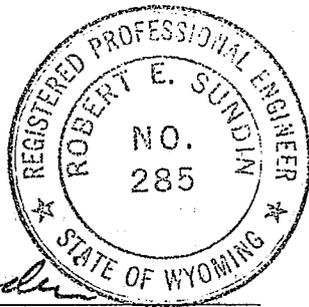
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AUTHORIZED BY:


William L. Garland

William L. Garland
Administrator 1479
Water Quality Division
September 6, 1988

Date of Issuance


Robert E. Sundin

Director
Dept. of Environmental Quality

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

Condition to Permit to Construct

The permittee shall notify a representative of the Sublette County Planning office of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Janet Montgomery
Sublette County Planner
P.O. Box 506
Pinedale, WY 82941
Telephone: 367-4375

cc: Keith E. McNinch
P.O. Box 633
Big Piney, WY 83113

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-410
SEE SPECIAL CONDITION ON BACK

Larson's Multi-Family Housing
(Name of Facility)

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

Dave Larson
1074 County Road 110
Cheyenne, WY 82007

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system for two 6-plex housing units according to the procedures and conditions of the application No. 83-410. The facility is located in Lot 11, Block 5, Rolling Hills Estates, Section 33, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

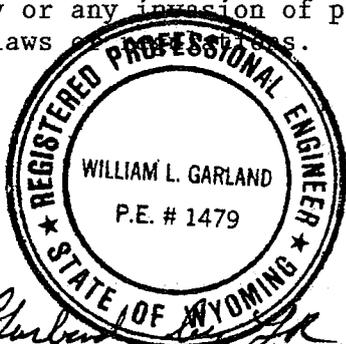
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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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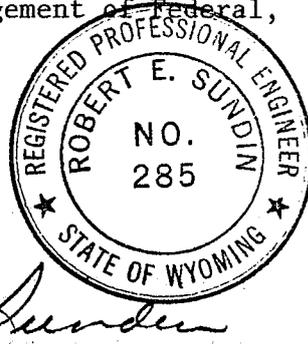
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AUTHORIZED BY:



William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality

July 22, 1985
Date of Issuance

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

Condition to Permit to Construct #83-410

The permittee shall notify Don Pack, Laramie County Environmental Health, 1700 Snyder Avenue, Cheyenne, Wyoming 82001, phone 638-8545, of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.

cc: Rick Johnston, Gust & Johnston, 2232 Del Range, Suite 203, Cheyenne, WY 82009
Don Pack

8-5-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-410
SEE SPECIAL CONDITION

Larson's Multi-Family Housing
(Name of Facility)

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

Dave Larson

1074 County Road 110

Cheyenne, WY 82007

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system for two 6-plex housing units facility according to the procedures and conditions of the application No. 83-410. The facility is located in Lot 11, Block 5, Rolling Hills Estates, Section 33, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

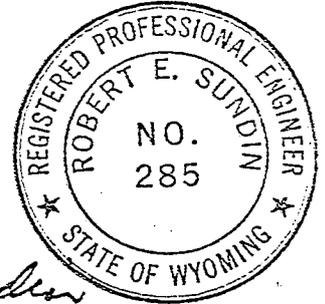
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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. Carlans
WILLIAM L. CARLANS
Administrator
Water Quality Division
DE #1478

Robert E. Sundin
Director
Dept. of Environmental Quality

July 26, 1983
Date of Issuance

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

cc: Rick Johnston
Gust and Johnston
2232 Del Range, Suite 203
Cheyenne, WY 82009

Condition to Permit to Construct

The permittee shall notify representatives of the Laramie County Environmental Health Department of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Don Pack
Laramie County Environmental Health
1700 Snyder Avenue
Cheyenne, WY 82001
Telephone: 638-8545

8-5-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-410
SEE SPECIAL CONDITION

Larson's Multi-Family Housing
(Name of Facility)

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

Dave Larson

1074 County Road 110

Cheyenne, WY 82007

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system for two 6-plex housing units facility according to the procedures and conditions of the application No. 83-410. The facility is located in Lot 11, Block 5, Rolling Hills Estates, Section 33, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

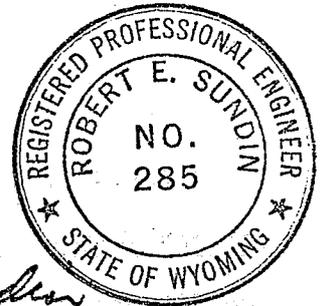
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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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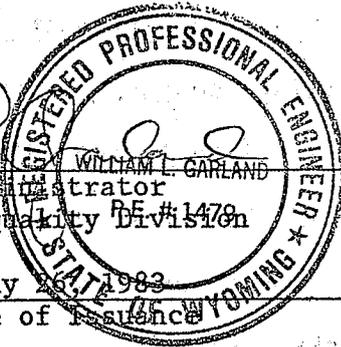
AUTHORIZED BY:



Robert E. Sundin

Director

Dept. of Environmental Quality



William L. Garland

Administrator

Water Quality Division

July 1983

Date of Issuance

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

cc: Rick Johnston
Gust and Johnston
2232 Del Range, Suite 203
Cheyenne, WY 82009

Condition to Permit to Construct

The permittee shall notify representatives of the Laramie County Environmental Health Department of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Don Pack
Laramie County Environmental Health
1700 Snyder Avenue
Cheyenne, WY 82001
Telephone: 638-8545

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 27, 1983

Dave Larson
1074 County Road 110
Cheyenne, WY 82007

Dear Mr. Larson:

Enclosed is the Permit to Construct 83-410 for the subsurface wastewater disposal facility in Rolling Hills Estates.

Our department is trying to obtain pictures and video for the construction of subsurface wastewater disposal facilities to show at seminars throughout the State. We would appreciate it if you would allow us to videotape your construction. Please contact us before you start construction so that we may come out and videotape this installation.

Thank you.

Respectfully,

A handwritten signature in cursive script that reads "Thomas S. Norman".

Thomas S. Norman
Water Quality Engineer

TSN/nc

cc: Don Pack
Laramie County Environmental Health
1700 Snyder
Cheyenne, WY 82001

8-4-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-411

Carollo-Federal #W-36915
(Name of Facility)

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

Natural Gas Corp. of California

85 South 200 East

Vernal, UT 84078

to construct, install, or modify a drilling fluids reserve pit facility according to the procedures and conditions of the application No. 83-411. The facility is located in SE1/4 SW1/4 Section 5, T24N, R117W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

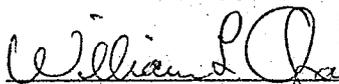
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, WY 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:



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

Administrator
Water Quality Division

July 27, 1983

Date of Issuance



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

Director
Dept. of Environmental Quality

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

This permit authorizes you to dispose of 6,300,000 gallons of drilling fluid wastewater on the surrounding _____ acres or at W1/2 SW1/4 and S1/2 NW1/4 Section 5, T24N, R117W, comprising approximately 160 acres, a total liquid application of 1.44 inches.

CONDITIONS TO PERMIT TO CONSTRUCT

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated solid conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. To assess the long term effects of the wastewater application on the soil and its relation to revegetation success on denuded areas, the seed mix (% of selected species), seed rate (lbs. of bulk seed/acre and % pure live seed), mulch and fertilizer preferred by the landowner-lessee or land management agency should be forwarded to E. J. Fanning, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002, within 30 days of receipt of this permit. - Not applicable for this permit.
5. Average daily soil temperature at the 2-3 inch level should be determined for the 4 soil sample vicinities by measurement with a probe in early morning (approximately 6 A.M.) and early evening (approximately 6 P.M.). If the average temperature is 50°F or greater, wastewater application may proceed. If not, the wastewater should be run through a sand filter for the purpose of oil and grease removal.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-412

Federal Lease #Cheyenne 054257
(Name of Facility)

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

Santa Fe Energy Company

P.O. Box 990

Thermopolis, WY 82443

to construct, install, or modify a road dust control land application facility according to the procedures and conditions of the application No. 83-412. The facility is located in NW1/4 NW1/4 Section 18, T44N, R97W in the County of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
STATE OF WYOMING
August 2, 1982
Date of Issuance




Director
Dept. of Environmental Quality

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

This permit authorizes you to dispose of 5,040 gallons of oil treater tank bottom sludge on the surrounding 10 acres and on approximately 7 miles of road leading to location #12-11, comprising approximately 27 acres, a total liquid application of .0065 inches.

CONDITIONS TO PERMIT TO CONSTRUCT

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. To assess the long term effects of the wastewater application on the soil and its relation to revegetation success on denuded areas, the seed mix (% of selected species), seed rate (lbs. of bulk seed/acre and % pure live seed), mulch and fertilizer preferred by the landowner-lessee or land management agency should be forwarded to E. J. Fanning, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002, within 30 days of receipt of this permit. - Not applicable for this permit.



Department of Environmental Quality
Water Quality Division

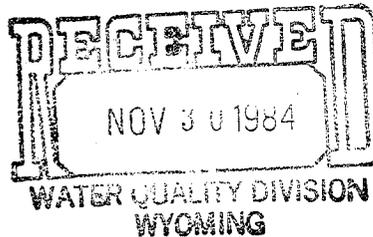
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 16, 1984

Town of Lovell
336 Nevada Ave.
Lovell, WY 82431



Attention: Bob Richards

RE: As BUILTS #83-413RRR
Railway Street Water Main
Replacement

Dear Bob:

The Wyoming Department of Environmental Quality cannot issue a Permit to Construct for the Railway Street Water Main Replacement since the facility has already been constructed. However, we will treat your application as an "As Built" and grant approval of the system since it does meet this Department's minimum construction standards.

Very truly yours,

A handwritten signature in cursive script that reads "Ed".

Ed Baruth, P.E.
Northwest District Supervisor

EB:dcn

cc: Jake Strohman, DEQ/WQD Cheyenne
File

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Railway Street Water Line Improvements

ENGINEER: Robert C. Richardson
165 East Tenth St.
Lovell, WY 82431

OWNER: Town of Lovell
336 Nevada Ave.
Lovell, WY 82431

WATER QUALITY DIVISION REFERENCE NUMBER: #83-413RR

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: January 25, 1984

ACTION: Not authorized.

COMMENTS: Thank you for your response to my January 4, 1984 review letter.

I have reviewed your response and the as built plans in an effort to apply a reasonable approach to our authorization of the construction. As you realize, some areas of the construction do not meet the minimum standards that the Department of Environmental Quality requires for new projects.

Since requiring that the installation meet the letter of the regulations will result in additional time and expense for the Town, I have tried to take a look at the benefits that will be derived from the changes and testing that I noted in my review letter.

The benefit of proper pressure/leakage testing of a water line is to try to force leaks and potential leaks to "show themselves" prior to the acceptance of a project. Since in the case of Railway Street, the owner and contractor are one in the same, and the Town is aware of what they have installed, I can agree to no additional pressure testing.

I must require that the fire hydrant installation meets the minimum standards. Therefore, the newly installed hydrant with a 4 inch lead pipe must be replaced with a 6 inch hydrant, a 6 inch lead pipe and a 6 inch valve.

The flow/pressure testing must still be performed as discussed in my review letter. This test must be conducted after the 4 inch fire hydrant is replaced with the 6 inch.

I therefore ask that you provide this office a schedule for accomplishing this work within the next 21 days. Further, a deadline of May 1, 1984 for actual field work is hereby established.

JH:dcn

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Railway Street Water Line Improvements

ENGINEER: Robert C. Richardson
165 East Tenth St.
Lovell, WY 82431

OWNER: Town of Lovell
336 Nevada Ave.
Lovell, WY 82431

WATER QUALITY DIVISION REFERENCE NUMBER: #83-413R

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: January 4, 1983

ACTION: Not authorized.

COMMENTS: Thank you for your response to my July 27, 1983 review letter. Many of the questions and comments that I raised in that letter have been satisfactorily addressed. However, the following items still need to be discussed and resolved before a letter authorizing the "as built" construction can be issued:

1. This Department does indeed recognize the efforts the Town of Lovell has made in improving the Railway Street water line. We realize that the funding of projects such as this often poses financial problems for small communities, thus a much needed project is undertaken by the town's crews.

Surely, the improvements made on Railway Street were needed and the new system is far superior to the old system.

However, the regulations have been adopted to insure that all new installations meet minimum standards. Although Railway Street's water system is now safer and more maintenance free, it does not meet all the regulations.

In the case of the fire hydrant on Big Horn Ave., the 4 inch supply line should be replaced with a 6 inch supply line.

2. We can accept actual flow test data and pressure readings rather than calculations to show that the system will be able to deliver the required pressure under all conditions of flow.

Please notify me when you feel the flow tests can be conducted.

AC

3. Operating a water line under normal line pressure is not a satisfactory method for determining the line is leak free or that it will perform properly when subject to the stress of a fire flow situation.

Please notify me when a pressure test meeting AWWA C600 can be conducted.

4. My concerns with the water/sewer line crossings has not been completely addressed in your specifications. At crossings, one full length of water pipe must be located so both joints will be as far from the sewer as possible. Has this been done?

See the enclosed sheet.

Thank you for your cooperation with the resolution of my questions.

Please feel free to contact me if you have any questions.

JH:dcn

Enclosure



Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

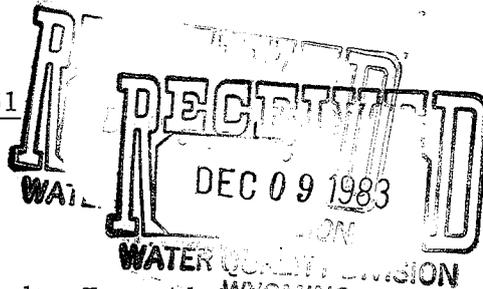
LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 6, 1983

CERTIFIED P 289 233 551

Town of Lovell
336 Nevada Ave.
Lovell, WY 82431



Attention: Robert Brandt, Town Administrator

RE: Railway St. Water Improvements #83-413

Dear Bob:

On July 27, 1983 I sent a review letter to Robert Richardson and the Town of Lovell. My review letter concerned the as built plans of the new water lines installed in Railway St., Big Horn Ave., and Quebec Ave.

My review letter, a copy of which is enclosed, remained unanswered for over two months. I contacted you by phone on October 4, 1983 to notify you that we had not received a response. You told me Bob Richardson was working on the project and that you would inform him that we needed a response.

As of today, we have not received a response to my review letter. A response is not optional.

The Town violated the Environmental Quality Act by installing the new water line without a permit. The as built were requested in an effort to resolve the violation without resorting to legal action. It is still our wish to avoid legal action.

Therefore, within twenty (20) days of receipt of this letter, a response to my July 27, 1983 review letter is due.

Please feel free to contact me if you have questions or problems.

Respectfully,

Jeff C. Hermansky
Water Quality Engineer
Northwest District

JH:dcn

Enclosure

cc: Robert Richardson, P.E. with Enclosure
Jake Strohman, DEQ/WQD Cheyenne ✓
File

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Railway Street Water Line Improvements

ENGINEER: Robert Richardson, P.E.
165 East Tenth St.
Lovell, WY 82431

OWNER: Town of Lovell
336 Nevada Ave.
Lovell, WY 82431

WATER QUALITY DIVISION REFERENCE NUMBER: #83-413

REVIEWING EVALUATOR: Jeff C. Hermansky



DATE OF REVIEW: July 27, 1983

ACTION: Not authorized.

COMMENTS: Thank you for submitting the "as built" plans of the new water line that was installed in Railway Street, Big Horn Ave., and Quebec Ave.

The Department of Environmental Quality reviews "as built" in the same manner that proposed plans submitted for a construction permit are reviewed. If the "as built" meet the design and construction standards, a letter authorizing the "as built" is issued. If the "as built" do not contain enough information to evaluate the project, or if they don't meet standards, a review letter such as this one, is issued.

Please address the following questions and comments so an evaluation can be completed:

1. An application form (enclosed) must be completed and submitted. Write "as built" in the space for signature of application. Please submit two copies.
2. A total of two copies of all plans and specifications, signed by the engineer, must be submitted for the review of "as built." For your reference, three copies are required when you apply for a construction permit since the third copy is stamped "authorized" for construction and returned to the engineer.
3. No specifications were submitted with your "as built" plans. The following areas need to be addressed by specifications--pipe bedding methods and materials, trench back-fill methods and materials, service connection materials, and thrust block location and sizing.
4. All fire hydrants are required to have lead in pipes of at least six (6) inches in diameter. The fire hydrant at Big Horn Ave. does not meet this requirement.

ABC

July 27, 1983

Page Two

5. How are the fire hydrants permitted to drain and how are they protected by thrust blocks?
6. Please supply data/calculations to show that the water system will be able to provide at least 20 psi to all points in the improved area under all conditions of flow.
7. How was or is the new water line to be disinfected?
8. How was or will the new water line be pressure tested?
9. How were the sewer crossings made? The standards require a very specific procedure.
10. Please show a detail of a typical service connection.

Feel free to contact me if you have any questions regarding what is required to satisfy the requirements of this review letter.

JCH:dcn
Enclosure

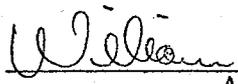
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

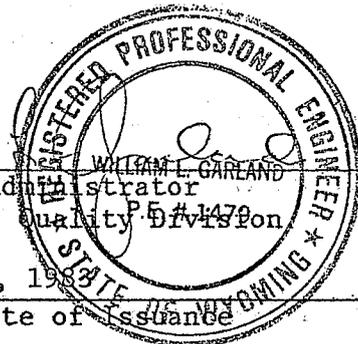
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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. # 1470

July 29, 1983

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.

8-4-23

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 83-415
SEE SPECIAL CONDITION

Thomes Avenue Sanitary Sewer
(Name of Facility)

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

Cheyenne Board of Public Utilities

2100 Pioneer Avenue

Cheyenne, WY 82001

to construct, install, or modify a sanitary sewer facility according to the procedures and conditions of the application No. 83-415. The facility is located in Section 31, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

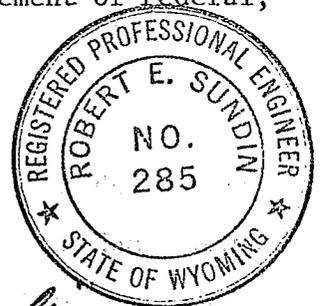
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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.

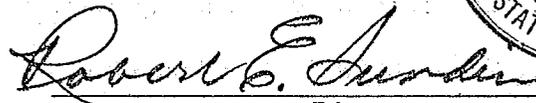
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:




Admin. Serv. WILLIAM L. GARLAND
Water Quality Div. #1479
August 1983
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".


Director
Dept. of Environmental Quality

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

cc: Peter J. Hutchison
Intermountain Professional Services
2206 Pioneer
Cheyenne, WY 82001

Condition to Permit to Construct

This sanitary sewer shall serve only one 4 unit townhouse.

8-12-83

PERMIT TO CONSTRUCT

New

Permit No. 83-416

Renewal

Modified

Beverly Hills Gardens
(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 water distribution and wastewater collection facility according to the procedures and conditions of the application No. 83-416. The facility is located in Section 15, T37N, 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.

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

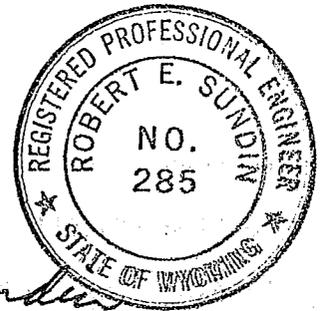
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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:





Admin. Serv. **WILLIAM L. GARLAND**
Water Quality Division
August 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Jame D. Voeller
AVI
7300 Yellowstone Road
Cheyenne, WY 82009

8-18-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-417

Reclamation Ditch #6A
(Name of Facility)

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

Energy Development Company

500 North Broadway

St. Louis, MO 63102

to construct, install, or modify a surface coal mine reclamation ditch (#6A) facility according to the procedures and conditions of the application No. 83-417. The facility is located in Section 28, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

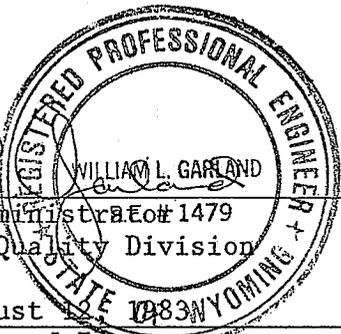
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

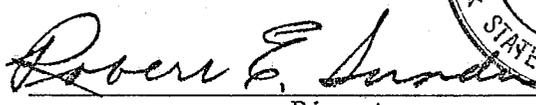
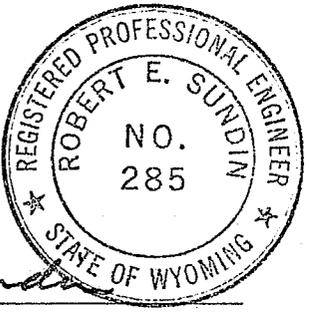
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division
August 15, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Robert Shanks
Arch Mineral Corporation
500 North Broadway
St. Louis, MO 63102

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-418

Valley Hills Water Storage Tank Repainting
(Name of Facility)

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

Casper Board of Public Utilities

200 N. David

Casper, WY 82601

to construct, install, or modify a municipal water storage tank facility according to the procedures and conditions of the application No. 83-418. The facility is located in Section 20, 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.

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

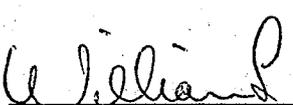
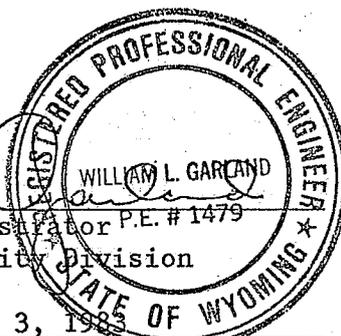
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

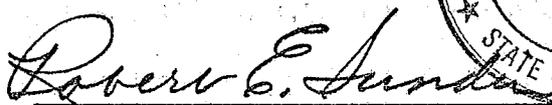
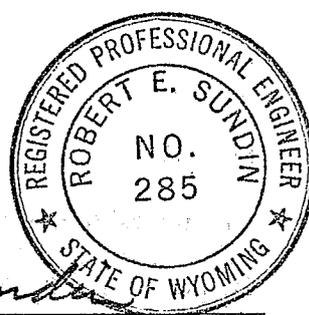
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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
August 3, 1985
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.

cc: David W. Hill
Casper Board of Public Utilities
200 North David
Casper, WY 82601

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

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

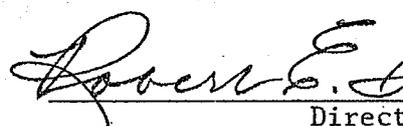
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


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

8/23/83
Date of Issuance


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

Director
Dept. of Environmental Quality

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

Water Quality Division
Groundwater Section
Permit Application Review

Normal
Sent to
Sheridan
8-2-83

Application Number 83-419

Date Submitted For Review 7-28-83

Name and Location of Facility WYODAK Settling Pond No. 3
Sec 27 T. 50N R. 71W
Campbell Co

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed Richard Lenny
Title Eng. Eval
Date 8-1-83

Approved 8/1/83
(Date)

agm
(Signed)
Groundwater Control Supervisor

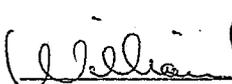
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

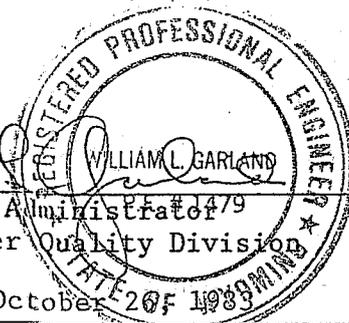
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

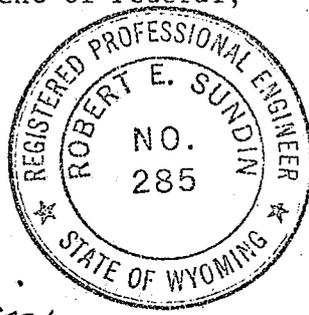
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator #1479
Water Quality Division
OCTOBER 20 1983
Date of Issuance




Director
Dept. of Environmental Quality



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

CONDITION

The permittee shall notify the Campbell County Engineer's Office of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Mr. Bill Flaherty
Campbell County Engineer's Office
500 South Gillette Avenue
Gillette, Wyoming 82716

xc: Bill Flaherty w/copy of plans
Haug Engineering & Surveying

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Wildwood Christian School Small Wastewater Facility

ARCHITECT OR ENGINEER: Wayne R. Haug
Haug Engineering & Surveying
P.O. Box 2848
Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 83-420

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: 8/24/83

ACTION: Not Authorized

COMMENTS:

If you use the new design standards in the proposed Chapter XI to design your facility, then you should also use the allowable application rate listed in that chapter. In your case, this would be 0.8 gal/ft²/day. (Part D, p. 16-17)

Otherwise, using the "old" method of calculating the application rate ($5/\sqrt{t}$) and absorption area (trench width X length) is acceptable.

Water Quality Division
Groundwater Section
Permit Application Review

Norman
Sent to Sherida
8-2-83

Application Number 83-420

Date Submitted For Review 8-1-83

Name and Location of Facility Wildwood Christian School
Section 30 T50N R71W
Campbell Co

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed *Richard A. Lunn*
Title *Env. Eval*
Date 8-1-83

Approved 8/1/83
(Date)

agm
(Signed)
Groundwater Control Supervisor

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-421

Glenrock Interceptor Sewer - Phase III
(Name of Facility)

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

Town of Glenrock

P.O. Box 417

Glenrock, WY 82637

to construct, install, or modify a sanitary sewer facility according to the procedures and conditions of the application No. 83-421. The facility is located in Sections 3 and 4, T33N, R75W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

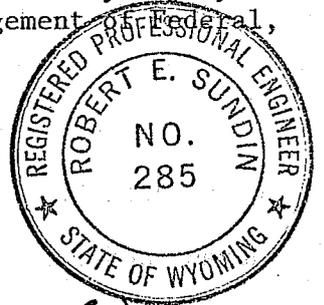
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

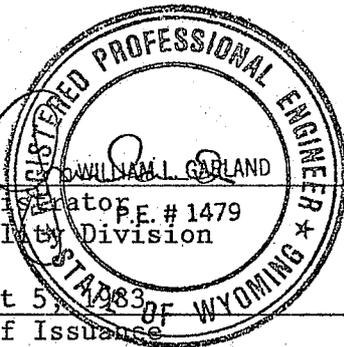
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

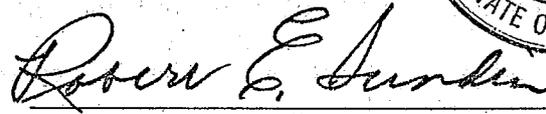
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:




WILIAM L. GARLAND
Administrator
Water Quality Division
P.E. # 1479
August 5, 1983
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 "WILIAM L. GARLAND" and the number "P.E. # 1479".


Director
Dept. of Environmental Quality

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

cc: Robert R. Norton
Nelson Engineering
Box 1599
Jackson, WY 83001

8-16-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-422

BILL'S PLACE
(Name of Facility)

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

Wilbur G. Carlson
P. O. Box 105
Etna, WY 83118

to construct, install, or modify a septic tank - leach field system to serve a
bar (100 person maximum capacity)

facility according to the procedures and conditions of the
application No. 83-422. The facility is located in

Sec. 35, T36N, R119W

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.

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

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

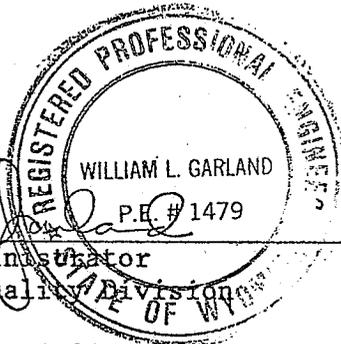
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

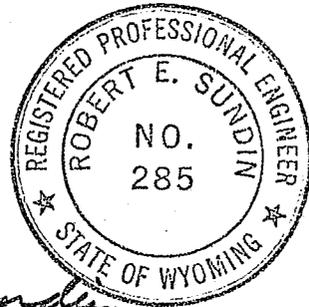
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

August 11, 1983
Date of Issuance

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

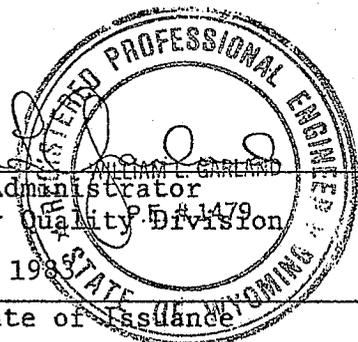
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

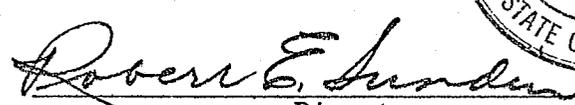
AUTHORIZED BY:



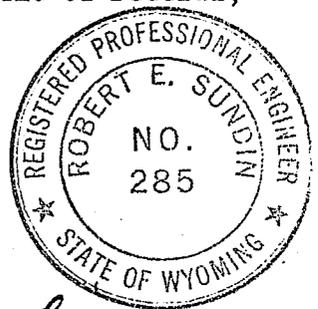
Administrator
Water Quality Division
August 12, 1983

Date of Issuance





Director
Dept. of Environmental Quality



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

* CONDITIONS OF PERMIT *

1. The permittee shall notify representatives of the Sweetwater County Health Department of the estimated day construction will commence and the estimated day of completion of this project; Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be reached at the following address; Al Emden, Sweetwater County Sanitarian, 205 E. Railroad Avenue, Green River, WY 82935 875-2115.
2. The residences served by this septic system will connect into the central sewer system when it becomes available and abandon the on-site septic system.

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

(X) New
() Modified

Permit Number:
GPC 83-424
EPA UIC Class V

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

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

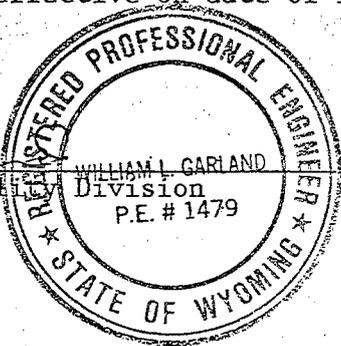
is authorized to operate

groundwater tracer injection operations at D.O.E. Hanna Underground - Coal Gasification site located in SW1/4 Section 29 and SE1/4 Section 30, T22N, R81W, Carbon County, as a miscellaneous discharge to groundwater

according to procedures and conditions of the application GPC83-424 and requirements and other conditions of this permit.

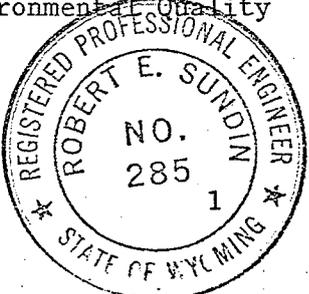
This permit shall become effective on date of issuance.

William L. Garland
Administrator - Water Quality
1111 East Lincolnway
Cheyenne, WY 82002
Phone: (307) 777-7781



August 3, 1983
Date

Robert E. Sundin
Director - Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002



Aug 11, 1983
Date

A. Discharge (Injection) Zone and Area of Review

The tracer injection zone is the surface interval at approximately 190-220 feet below the ground surface and as identified in Land Quality Division's permit number TFN-1-2/222 for wells CB0-155 and CB0-142.

The area of review is the circular area described as having its center in the vicinity of the subject tracer wells and a minimum radius of one quarter mile. The only other wells within the area of review are wells installed and operated by the permittee to monitor underground operations at the Hanna site.

B. Groundwater Classification

Groundwater within the area of review has not been used for any domestic, agricultural or livestock uses, but has been used in conjunction with underground coal gasification research and development. Under the state classification system, this water is determined to be suitable for Class V use.

C. Authorized Operations

The permittee is authorized to inject either sodium bromide or sodium trifluoroacetate or both as a tracer test between wells CB0-155 and CB0-142.

Permittee has reported that the maximum concentration of the sodium bromide at 40 feet from the injection well will be 10 ppm and that the maximum amount of sodium bromide to be used is 3000 grams.

Permittee has reported that the maximum concentration of sodium trifluoroacetate at 40 feet from the injection well will be 1 ppm and that the maximum amount of sodium trifluoroacetate to be used is 300 grams.

No other use for or by the injection well is authorized by this permit.

D. Proper Operation and Maintenance

The permittee is required to conduct the operation in accordance with statements, representations and procedures presented in the complete permit application and supporting documents, as accepted and approved by the Administrator.

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued.

E. Entry and Inspection

The permittee shall allow the Administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

None required by this permit.

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata.

Monitoring the discharge is not required by this permit.

On completion of the tracer test and analysis of test data, a one time report shall be submitted indicating the status of the operation, any major modifications to either well used, and any problems that may have developed and how they were resolved.

Note "Signatories Requirement" on pages 12 and 13 of this permit.

The permittee should keep relevant on-site operation records, for review by the permitting authority as may be necessary or required. The type(s) of records kept for this operation to be determined by the permittee.

H. Test Procedures

Test procedures for the determination of water quality parameters and constituents shall be in accord with provisions of Water Quality Rules and Regulations Chapter VIII, Section 7.

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the report or application.
2. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified elsewhere in the permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a useable Groundwater of the State.
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between useable Groundwaters of the State.

A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:
 - a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
 - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
 - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.
11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

1. Violation of the permit;
2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every five (5) years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the Council.

This operation (permit) can be terminated by authority of the Administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every ten (10) years by the Administrator.

Public notice prior to the issuance of this permit is not required.

Existing regulations do not require public notice of the permit review and request for public comment every ten years for this discharge.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Not required for permit issuance for this discharge.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical integrity has been restored and permission to continue the discharge has been obtained from the Administrator.

L. Abandonment

The permittee shall notify the Administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the Director and follow the procedures prescribed by the Director for plugging and abandonment or the discontinuance of related activities:

The use of sodium bromide or sodium trifluoroacetate as injected tracer materials will cease when the tracer test is completed at which time the use of the wells will conform to the requirements of Land Quality Division permit number TFN 1-2/222.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;
3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;
4. Furnish to the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the Administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

The permittee is required to maintain financial responsibility and resources in form approved by the Director, to close, plug and abandon the discharge operation in a manner prescribed by the Director.

Certification of financial responsibility is waived.

O. Special measures the Director finds necessary:

None.

P. Special permit conditions:

Pollution or waste which migrates into an aquifer containing a useable groundwater of the State is a violation of the permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

All reports required by this permit and other requested information shall be signed as follows:

For a corporation -- by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

For a municipality, State, Federal or other public agency -- by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the described principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by an authorized representative.

Any person signing a report or other requested information shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

S. Permit Transfer

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the Department Director.

T. Responsibilities

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.

U. Property Rights

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.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

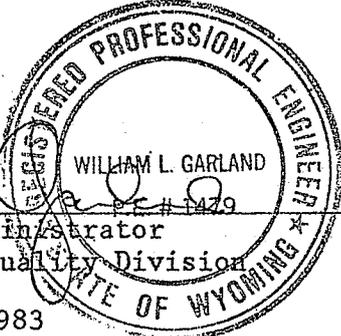
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

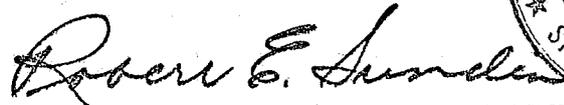
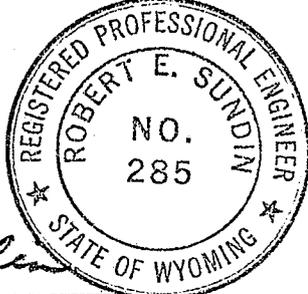
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
#1479
Administrator
Water Quality Division
STATE OF WYOMING
August 5, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

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

83-426RRR



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-778

September 24, 1984

Donald Steen
Jirdon Wyoming Livestock Company
P. O. Box 456
Morrill, NE 69358

RE: Routine operations and maintenance inspection, Jirdon Wyoming Feedlot,
Torrington, Wyoming, NPDES permit number 0031976 and Permit to Construct
Number 83-426RRR

Dear Mr. Steen:

A routine operations and maintenance inspection of the referenced feedlot facility was completed by myself on August 30, 1984. The purpose of the inspection was to determine compliance with the authorized permit to construct and the National Pollutant Discharge Elimination System Permit issued to the facility. An evaluation of the groundwater monitoring system was not included with this inspection. Results of the field inspection indicate the following construction deficiencies at the feedlot.

1. Construction of the retention pond dikes did not meet the 3:1 horizontal/vertical contour as required by Wyoming Rules and Regulations for wastewater treatment works and as shown in the original permit to construct application plans and specifications. Portions of the debris basin and holding pond dikes were also in non-compliance.
2. Based upon visual observations of all pond construction work, it was evident that the overall pond construction did not comply with the authorized plans and specifications for the project. For example, the required bentonite sealing of all pond bottoms/dikes had not been adequately completed; in areas where bentonite had been applied, it was applied unevenly, had not been thoroughly incorporated into the top foot of pond soil, had not been properly recontoured on the pond bottom to a relatively flat surface, and the pond bottoms/dikes had not been compacted into a final design soil-bentonite density.
3. Low exterior dike elevations along the mid portion of the debris basin jeopardize total containment of the minimum 25 year-24 hour storm event precipitation.
4. Dike erosion problems were developing along the north side of the debris basin which could severely threaten any established soil-bentonite seal in the pond. Runoff erosion along portions of the outside portion of the south debris basin dike were also noted. Since dike erosion could threaten the integrity of the north dike pond sealing, riprap, (i.e., gravel or

Donald Steen
September 24, 1984
Page 2

- other acceptable material) should be installed. Recontouring the outside portion of the southern debris basin dike and planting native grasses should control that part of the erosion problems.
5. No evidence of native grass seeding of either the dike interior/exterior areas of any pond had been completed to control excessive weed growth and to help in dike erosion problems. Excessive weed growth was clearly evident throughout the entire pond system. Any effective pond seal which might have already been installed has probably been jeopardized due to deep root growth in the dikes.
 6. Although a vehicle access road existed along the top of the southern exterior pond dike, it was not graveled in accordance with the submitted plans/specifications to allow ready access during wet weather for any emergency maintenance work.
 7. On-site feedlot personnel were not implementing the facility Operations and Maintenance Plan which had been prepared by the engineering consultant and authorized by the Water Quality Division.
 8. Fencing with appropriate warning signs around the pond system did not exist as designed in the construction plans and authorized by Permit to Construct Number 83-426RRRR.

In conclusion, the construction of the authorized wastewater treatment works for the feedlot is considered to be very poor. Jirdon Wyoming Livestock Company should immediately initiate on-site activities to reaccomplish the inadequate construction work outlined above. Jirdon Wyoming Livestock Company is requested to submit to the Water Quality Division, in writing, a schedule to start and complete these tasks. Serious consideration to your application (Permit to Construct application number 84-229) for Phase II expansion cannot be given until the above construction deficiencies have been rectified.

Sincerely,



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

LCF/pjb

cc: William L. Garland, Administrator, WQD
John Wagner, Technical Support Supervisor, WQD
Lori Nast, DEQ/WQD
Water Quality Division Advisory Board Members

1-30-84

PERMIT TO CONSTRUCT

Permit No. 83-426RRRR
SEE CONDITIONS ATTACHED

- New
- Renewal
- Modified

Jirdon Wyoming Livestock Cattle Feedlot - Phase I
(Name of Facility)

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

Mr. Donald Steen

Jirdon Wyoming Livestock Company

P.O. Box 456

Morrill, NE 69358

to construct, install, or modify a commercial wastewater collection and stabilization ponds for Phase I of the Jirdon Wyoming Livestock Company Feedlot facility according to the procedures and conditions of the application No. 83-426RRRR. The facility is located in Sections 19 and 20, T24N, R60W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

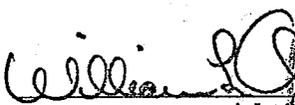
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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.

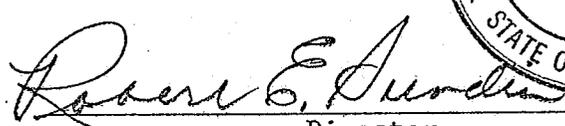
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

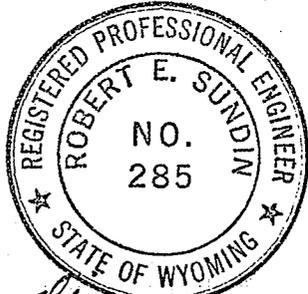


WILLIAM GARLAND
Administrator # 1479
Water Quality Division
January 1984
Date of Issuance





Director
Dept. of Environmental Quality



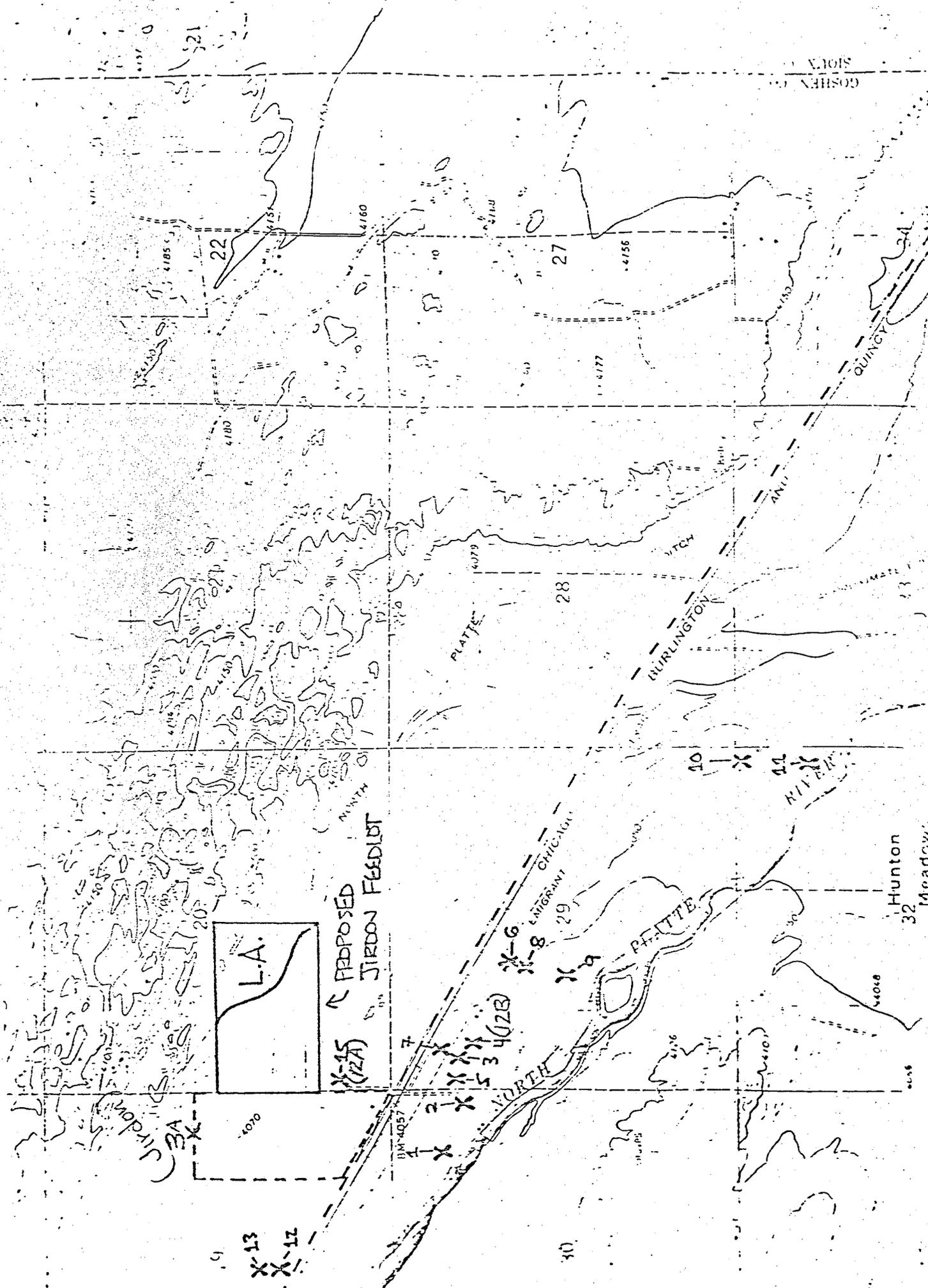
This permit does not supercede the requirements for obtaining any permit from local agencies.

cc: M. C. Schaff
M. C. Schaff & Associates, Inc.
Route 2, Box 118
Scottsbluff, NE 69361

CONDITIONS TO PERMIT TO CONSTRUCT 83-426RRRR

1. The cased test holes (1-12) around the periphery of the Phase I General Layout Construction Plan Sheet, as identified in the applicant's submittal of November 21, 1983, shall be sampled and analyzed by the applicant within 15 days of this permit issuance. Parameters shall include: Static Water Level, Total Kjeldahl Nitrogen (TKN), Ammonia-Nitrogen (NH₃-N), Nitrate-Nitrogen (NO₃-N), Orthophosphate, pH, BOD₅, COD, TOC, TDS, Fecal Coliform Bacteria, Fecal Streptococci Bacteria, Chlorides, Sulfates, and Phenol.
2. Within 15 days of this permit issuance, the applicant shall collect and analyze samples from upgradient wells 12, 13 and 14, and downgradient well number 6, as identified in Figure and Table G3 (attached). Parameters shall include all those in condition 1.
3. After background samples have been collected in accordance with conditions 1 and 2, the applicant shall comply with the following long term monitoring program:
 - a. Test holes 1-12 shall be sampled and analyzed monthly for 12 months beginning in March 1984. Quarterly samples shall be collected thereafter. Parameters shall be those identified in condition 1. Results are to be forwarded to the Water Quality Division by the 15th day of the following month.
 - b. Quarterly sampling and analyses of well numbers 3A, 6, 12, 12a, 12b, 13 and 14 shall be accomplished by the applicant beginning in March 1984. Parameters shall be those identified in condition 1 including static water levels where obtainable. All well number references are from Figure and Table G3. Results are to be forwarded to the Water Quality Division by the 15th day of the following month.
 - c. A quarterly sample and analysis of any fluids contained in the holding pond shall be completed by the applicant for those parameters in condition 1.
4. The applicant shall use sampling protocol acceptable to the Water Quality Division. Details may be obtained from the Groundwater Quality Section of the Water Quality Division.
5. The above outlined water quality monitoring program will be amended, as necessary, depending upon monitoring data results.
6. If the applicant desires to transfer this permit to construct to a new owner, the new owner shall agree, in a written statement to the Water Quality Division Administrator, to be bound by all of the terms and conditions of this original permit.

Figure 3



Hunton
Meadows

GOSHEN

SIOLA

Table G3

JIRDON LIVESTOCK

WELL NUMBER	LOCATION	OWNER	USE	COMMENTS
1	T24N R60W Sec. 30 NE $\frac{1}{4}$	Easton	Domestic	
2	T24N R60W Sec. 30 NE $\frac{1}{4}$	Easton	Domestic	Sand Point
3	T24N R60W Sec. 29 NW $\frac{1}{4}$	Yates	Domestic	Sand Point
4	T24N R60W Sec. 29 NW $\frac{1}{4}$	Yates	Irrigation	Sand Point
5	T24N R60W Sec. 29 NW $\frac{1}{4}$	Yates	Stock	Sand Point
6	T24N R60W Sec. 29 NW $\frac{1}{4}$	Jones	Domestic	24 Feet Deep
7	T24N R60W Sec. 29 NW $\frac{1}{4}$	Jones	Irrigation	80 Feet Deep Permit # UW 2664
8	T24N R60W Sec. 29 NW $\frac{1}{4}$	Jones	Stock	Sand Point
9	T24N R60W Sec. 29 SW $\frac{1}{2}$	Jones	Stock Pit Well	Permit # UW 469
10	T24N R60W Sec. 32 NE $\frac{1}{4}$	Gilmore	Domestic	
11	T24N R60W Sec. 32 NE $\frac{1}{4}$	Lewark	Domestic	
12	T24N R60W Sec. 19 SW $\frac{1}{4}$	Jirdon- Collins-Owner Niswonger-Tenant	Domestic	
13	T24N R60W Sec. 19 SW $\frac{1}{4}$	Jirdon- Collins-Owner Niswonger-Tenant	Domestic	
14	T24N R60W Sec. 19 SW $\frac{1}{4}$	Jirdon- Collins-Woner Niswonger-Tenant	Irrigation	
15	T24N R60W Sec. 20 SW $\frac{1}{4}$	Jirdon	Domestic	Abandoned Dwelling

12-21-83

Review of Plans and Specifications

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

PROJECT: Jirdon, WY Livestock Cattle Feedlots, Phase I, Goshen Co.

ARCHITECT OR ENGINEER: M.C. Schaff, M.C. Schaff & Assoc.
Rt. 2, Box 118, Scottsbluff, NE 69361

APPLICANT: Jirdon Livestock Co. Feedlot
Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 83-426RRR

REVIEWING ENGINEER: *[Signature]* LeRoy C. Feusner, P.E., *[Signature]* A. J. Mancini, P.E. and *[Signature]* E. J. Fanning

DATE OF REVIEW: December 20, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The submitted construction plans/specifications, additional data/information, and meetings which have been held concerning this project have been helpful in evaluating potential impact of this proposed cattle feedlot to waters of the state. However, the following technical information is lacking and must be submitted to our staff for further review and evaluation.

1. Provide calculations and technical information which would indicate the rate and amount of significant contaminants (including but not necessarily limited to ammonia nitrogen and nitrate nitrogen) infiltrating to groundwater in the area of the cattle pens, manure stockpiles, and ponds. Also indicate the concentrations of these significant contaminants infiltrating to the groundwater and any impacts on both the shallow groundwater and to wells utilizing this groundwater.
2. Provide an annual mass loading of the significant contaminants, identified in paragraph 1 above, to the shallow groundwater.
3. Design information for the ponds indicates that the pond bottom will be sealed using local clays of bentonite to provide a percolation rate of less than 500 gallons per day per acre (1/4 inch/day). The pond sidewalls will also require proper sealing to protect groundwater quality from any significant contaminants. What is the thickness of the pond seals? Provide a profile drawing indicating construction materials. Additionally, a section must be provided in the Operations & Maintenance Manual which thoroughly describes how the ponds will be maintained. For example, page 12 of the existing manual indicates that the pond bottoms will be allowed to dry out. This practice may not be advisable based upon a potential increase of downward percolation of significant contaminants when the ponds refill. How will you prevent cracking of a compacted clay or bentonite liner?
4. The applicant should also understand that background groundwater sample analyses for specified parameters will be required from all monitoring and area water wells if a permit is authorized for this feedlot. The exact parameters will be specified later.

Review of Plans and Specifications

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

PROJECT: Jirdon, WY Livestock Cattle Feed Yard, Goshen Co.

ARCHITECT OR ENGINEER: M.C. Schaff, M.C. Schaff & Assoc.
Rt. 2, Box 118, Scottsbluff, NE 69361

APPLICANT: Jirdon Livestock Co. Feedlot
Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 83-426

REVIEWING ENGINEER: *LeRoy C. Feusner* and *A. J. Mancini*
LeRoy C. Feusner, P.E. and A. J. Mancini, P.E.

DATE OF REVIEW: September 14, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

A. Feedlot Retention Pond System

1. An application form for a permit to construct must be completed and submitted to the Water Quality Division.
2. The plans and specifications must carry the seal or signature of the design engineer who is a professional engineer registered in the State of Wyoming.
3. Provide design calculations which were used to size the proposed retention ponds. How will surface runoff from the large proposed feedlot be collected and transported to the ponds? Collection ditches shall be provided when necessary to intercept contaminated wastewater. The depth shall be adequate to handle the design flow and shall have a bottom slope sufficient to produce a velocity of two feet per second. Side slopes shall not be steeper than eight horizontal to one vertical. Show collection system on plans.
4. How will the wastewater in the retention ponds be removed and disposed of after a precipitation event? The applicant must demonstrate that equipment/procedures will be available for removing the wastewater.
5. The cattle feeding area shall be protected with diversion ditches that will direct uncontaminated runoff from areas above and adjacent to the site away from the ponds and shall be capable of diverting the 25 year, 24 hour precipitation event. Show details on site plan.
6. A settling pond ahead of the retention pond is recommended to accumulate the solids in the waste flow and to simplify their removal and final disposal. The surface area shall be sized to reduce the flow velocity below one foot per second to allow settling of solids. The pond shall be between three to six feet deep to allow sufficient capacity for holding solids and yet allow easy removal of solid. The outlet structure shall minimize the

overflow of solids into the retention pond. If a settling pond is not provided before the retention pond, the design volume of the retention pond shall be increased by ten percent to accommodate collection of solids. The debris basins may be adequate to serve as settling basins. Provide design calculations and provide complete engineering drawings for basin construction showing wastewater flow patterns.

7. Spillways shall be provided on all retention ponds to pass flows in excess of the 25 year, 24 hour precipitation event. The spillway shall be placed above the design high water level. The spillway should be designed to allow discharge into the same drainage system which was indicated on your NPDES discharge permit application.
8. Outer dike slopes shall not be steeper than one vertical to two horizontal. Flatter slopes may be required to maintain slope stability.
9. What is the purpose of the coarse rock filter material in the proposed debris basins?
10. Seepage through the pond bottoms and side walls and the cattle feeding facility, in total, shall not cause, threaten, or allow the pollution or contamination of groundwaters in accordance with Chapter VIII, Wyoming Water Quality Rules and Regulations. Liners shall be required if the wastewater characteristics and/or site conditions could result in pollution of groundwater. In order to support your limited design proposal for the ponds and to provide us with enough information to assess any adverse groundwater impact from general feedlot operations, the following data must be provided:
 - a. Piezometric map of the feedlot and pond areas showing the depth to groundwater.
 - b. Direction and rate of shallow groundwater movement.
 - c. Quality of the shallow groundwater throughout the entire feedlot/pond area in accordance with parameters contained in Chapter VIII, Wyoming Water Quality Rules and Regulations and the pesticide analyses contained in the EPA Safe Drinking Water Act document.
 - d. Location of all water wells within 1/2 mile of the feedlot area indicating use of groundwater, well construction details and depth of groundwater.
 - e. Permeability (vertical and horizontal) of shallow soils throughout the feedlot/pond areas.
 - f. Accurate characterization of wastes which can be leached and wastewater which may be collected/treated in ponds.
11. More information is required concerning the management and final disposal of the manure. Available literature indicates that when manure is applied to a soil having moderate to rapid internal drainage, nitrates, chlorides,

and fecal coliform bacteria counts have been shown to increase markedly. Continued high applications of manure slurry to the soil (stockpiles) can contaminate shallow groundwater. What precautions are planned to prevent groundwater contamination from manure disposal operations?

12. The entire pond area shall be enclosed with a six foot high fence having a maximum fabric opening of six inches by six inches and having two strands of barbed wire at the top. Openings in the fence shall be provided with lockable gates.
13. Permanent signs shall be provided around the pond site to designate the nature of the facility and advise against trespassing. The signs shall be placed on all four sides with a maximum spacing of 500 feet on any one side.

B. Domestic Wastewater Treatment Systems

1. The plans and material/construction specifications must carry the seal or signature of the design engineer who is a professional engineer registered in the State of Wyoming.
2. An application form for a permit to construct must be completed and submitted to the Water Quality Division.
3. Provide a site plan drawing indicating the location of the office and feed mill building and the layout of the septic tank/leach field systems. Show all distances between wastewater treatment units and buildings, property lines, water lines, water wells, and nearby surface waters. Also show heavy vehicle traffic patterns which may be in the immediate area of these wastewater treatment systems.
4. According to the soil survey data contained in the southern part of Goshen County (SCS study) in the area of your proposed facility, the soils appear to be variable in nature. A Haverson or Alkali/Saline Land soil classification may exist in the areas where these treatment systems are proposed. Additionally, permeability rates may vary widely, particularly below ten inches of soil. Therefore, we will not accept a generalized soil permeability figure for design purposes. No less than three percolation tests must be completed in the soil absorption areas of each leach field at a depth between three and four feet. All data collected from these tests must be submitted for our review.
5. Groundwater depth and quality data are also required for these design applications, as outlined above in the feedlot design review.
6. A cleanout having a minimum diameter of six inches shall be provided in each septic tank compartment and shall extend to the ground surface and be capped.
7. How will feedlot surface runoff be diverted around or away from the soil absorption systems?

Jordon, WY Livestock Cattle Feed Yard

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8. During cattle sales activities, how many additional personnel will be present at the feedlot who could use the restroom facilities? How often will these activities be conducted?

8-16-83

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

(X) New
() Modified

Permit Number:

GPC 83-427
Miscellaneous

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

Uranerz U.S.A., Inc.
190 Pronghorn
Casper, WY 82601

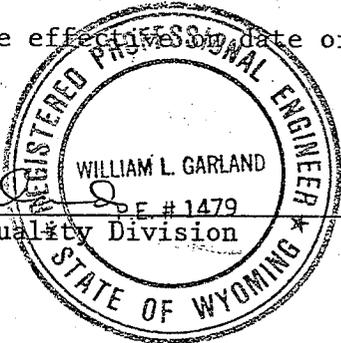
is authorized to operate

Uranerz U.S.A., Inc. Test Location #1, in Sections 11, 12 and 13, T42N, R78W, in Johnson County

according to procedures and conditions of the application GPC83-427 and requirements and other conditions of this permit.

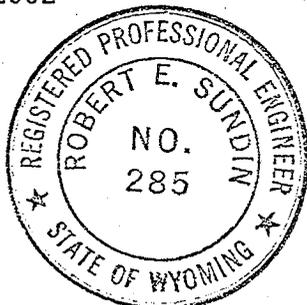
This permit shall become effective on the date of issuance.

William L. Garland
Administrator - Water Quality Division
1111 East Lincolnway
Cheyenne, WY 82002
Phone: (307) 777-7781



Aug 15, 1983
Date

Robert E. Sundin
Director - Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002



Aug 15, 1983
Date

A. Discharge (Injection) Zone and Area of Review

The discharge (injection zone) is the subsurface interval which contains the uranium-bearing mineralized zone within a depth range estimated at approximately 700-1050 feet below the surface. A more accurate description of the injection zone will be submitted as an appendix to the application, after the test wells have been drilled.

The area of review is the maximum area described by coalescing circular areas, each having a proposed injection well as a center and a radius of one-quarter (1/4) mile. Applicant states that the only water wells within the area of review are operated by Uranerz.

B. Groundwater Classification

Background water quality data has not yet been provided. Applicant states water in the receiver may be "potable". If a uranium in situ research and development project should evolve at the test site, the groundwater in the mineralized zone will become a Class V (mineral) groundwater.

At present, shallow groundwater in the general area is considered "good" by local users. There reportedly is a Linch Municipal Well in the vicinity (SE Section 14, T42N, R78W) and several domestic and/or stock wells. At this time the geologic intervals producing water cannot be directly correlated with the proposed injection zone; however, groundwater is protected for existing and potential uses which are domestic (Class I) and stock (Class III) in this area.

C. Authorized Operations

The permittee is authorized to inject good quality water for the purpose of performing pressure tests and obtaining information relative to feasibility of in situ uranium leaching. Each test, of about one hour duration, will consist of inducing water under a pressure of 10-50 psi above the receiver (formation) hydrostatic pressure in several steps with increasing and decreasing pressure. Very clean water will be used for testing. The total quantity of clean water injected into the receiver during the test is estimated at 250 gallons.

The source of the clean water is "potable" water with the following constituent concentrations:

	<u>11/8/82*</u>	<u>12/81 (ave.)</u>
Arsenic (mg/l)	ND (0.01)	-0.001
Barium (mg/l)	0.05	-0.10
Cadmium (mg/l)	ND (0.01)	-0.002
Chromium (mg/l)	ND (0.05)	-0.01
Iron (mg/l)	ND (0.03)	-0.01 to 0.11 (range)
Lead (mg/l)	0.09	-0.05
Magnesium (mg/l)	2	1.3
Manganese (mg/l)	ND (0.01)	-0.01
Mercury (mg/l)	ND (0.0004)	-0.0002
Potassium (mg/l)	2	4.3
Selenium (mg/l)	ND (0.01)	-0.001
Silver (mg/l)	ND (0.02)	---
Sodium (mg/l)	110	113
Uranium (U308) (mg/l)	ND (0.001)	-0.001
Gross alpha (pCi/l)	0.0 ± 1.0	---
Gross beta (pCi/l)	6.6 ± 1.2	---
Radium (total) (pCi/l)	0.1 ± 0.1	1.7 ± (Ra 226)
Aluminum (mg/l)	---	-0.10
Copper (mg/l)	---	-0.01
Nickel (mg/l)	---	-0.01
Zinc (mg/l)	---	-0.005
Molybdenum (mg/l)	---	-0.10
Vanadium (V205) (mg/l)	---	-0.10
TDS (mg/l)	---	320
Calcium (mg/l)	---	6
Sulfate (mg/l)	---	59
Chloride (mg/l)	---	5.3
Carbonate (mg/l)	---	28
Bicarbonate (mg/l)	---	224
Ammonia -N (mg/l)	---	-0.05
Nitrate -N(mg/l)	---	-0.05
Nitrite -N (mg/l)	---	-0.001
Fluoride (mg/l)	---	1.13
Boron (mg/l)	---	-0.01
pH (units)	---	8.12

*Tap water from trailer

ND = Not detected at level given in parenthesis.

The injection of any chemical, additive, waste or mixture is not authorized by this permit.

No other use for or by the discharge (injection) well(s) is authorized by this permit. This permit does not authorize in situ leaching.

D. Proper Operation and Maintenance

The permittee is required to conduct the operation in accordance with statements, representations and procedures presented in the complete permit application and supporting documents, as accepted and approved by the Administrator.

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued.

E. Entry and Inspection

The permittee shall allow the Administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

None required by this permit.

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata.

Monitoring the discharge is not required by this permit.

The only periodic report of Section I required by this permit is an annual report. The annual report should be submitted within 30 days following the anniversary date of the permit, or sooner if appropriate, and should indicate the status of the injection operation and well(s) (active or otherwise) by name and/or number, any major modifications to the operation or well(s) made during the year by well name and/or number, and any problems that may have developed and how they were resolved.

Note "signatories requirement" on pages 12 and 13 of this permit.

The permittee should keep relevant operation records, for review by the permitting authority as may be necessary or required. Records of injection rates (volumes) and pressures should be kept.

H. Test Procedures

Test procedures for the determination of water quality parameters and constituents shall be in accord with provisions of Water Quality Rules and Regulations Chapter VIII, Section 7.

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the report or application.
2. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified elsewhere in the permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a useable Groundwater of the State.
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between useable Groundwaters of the State.

A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:
 - a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
 - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
 - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.
11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

1. Violation of the permit;
2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every five (5) years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the Council.

This operation (permit) can be terminated by authority of the Administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every ten (10) years by the Administrator.

Public notice prior to the issuance of this permit is not required.

Existing regulations do not require public notice of the permit review and request for public comment every ten years, for this discharge.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Not required for permit issuance for this discharge.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical integrity has been restored and permission to continue the discharge has been obtained from the Administrator.

L. Abandonment

The permittee shall notify the Administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the Director and follow the procedures prescribed by the Director for plugging and abandonment or the discontinuance of related activities:

Abandonment of the injection well(s) will conform to current state regulations and requirements.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;
3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;
4. Furnish to the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the Administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

The permittee is required to maintain financial responsibility and resources in form approved by the Director, to close, plug and abandon the discharge operation in a manner prescribed by the Director.

Certification of financial responsibility is waived.

O. Special measures the Director finds necessary:

None.

P. Special permit conditions:

Pollution or waste which migrates into an aquifer containing a useable groundwater of the State is a violation of the permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

All reports required by this permit and other requested information shall be signed as follows:

For a corporation -- by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

For a municipality, State, Federal or other public agency -- by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the described principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by an authorized representative.

Any person signing a report or other requested information shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

S. Permit Transfer

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the Department Director.

T. Responsibilities

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.

U. Property Rights

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.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

8-16-83

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

(X) New

Permit Number:

() Modified

GPC 83-428
Miscellaneous

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

Uranerz U.S.A., Inc.
190 Pronghorn
Casper, WY 82601

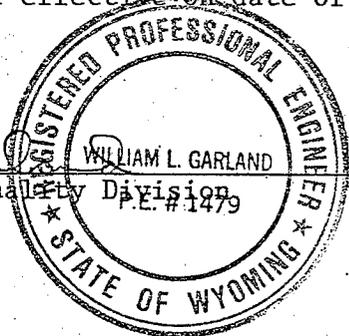
is authorized to operate

Uranerz U.S.A., Inc. Test Location #2, in Sections 15 and 22, T40N, R77W, in Natrona County

according to procedures and conditions of the application GPC83-428 and requirements and other conditions of this permit.

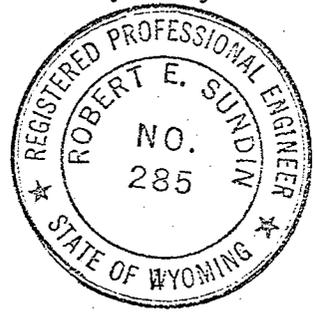
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Administrator - Water Quality Division
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Cheyenne, WY 82002
Phone: (307) 777-7781



Aug 15, 1983
Date

Robert E. Sundin
Director - Department of Environmental Quality
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At present, shallow groundwater in the general area is considered "good" by local users. There reportedly are several domestic and/or stock wells in the general vicinity of the test site. At this time the geologic intervals producing water cannot be directly correlated with the proposed injection zone; however, groundwater is protected for existing and potential uses which are domestic (Class I) and stock (Class III) in this area.

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Gross beta (pCi/l)	6.6 ± 1.2	---
Radium (total) (pCi/l)	0.1 ± 0.1	1.7 ± (Ra 226)
Aluminum (mg/l)	---	-0.10
Copper (mg/l)	---	-0.01
Nickel (mg/l)	---	-0.01
Zinc (mg/l)	---	-0.005
Molybdenum (mg/l)	---	-0.10
Vanadium (V205) (mg/l)	---	-0.10
TDS (mg/l)	---	320
Calcium (mg/l)	---	6
Sulfate (mg/l)	---	59
Chloride (mg/l)	---	5.3
Carbonate (mg/l)	---	28
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Nitrate -N(mg/l)	---	-0.05
Nitrite -N (mg/l)	---	-0.001
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Boron (mg/l)	---	-0.01
pH (units)	---	8.12

*Tap water from trailer

ND = Not detected at level given in parenthesis.

The injection of any chemical, additive, waste or mixture is not authorized by this permit.

No other use for or by the discharge (injection) well(s) is authorized by this permit. This permit does not authorize in situ leaching.

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E. Entry and Inspection

The permittee shall allow the Administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

None required by this permit.

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata.

Monitoring the discharge is not required by this permit.

The only periodic report of Section I required by this permit is an annual report. The annual report should be submitted within 30 days following the anniversary date of the permit, or sooner if appropriate, and should indicate the status of the injection operation and well(s) (active or otherwise) by name and/or number, any major modifications to the operation or well(s) made during the year by well name and/or number, and any problems that may have developed and how they were resolved.

Note "signatories requirement" on pages 12 and 13 of this permit.

The permittee should keep relevant operation records, for review by the permitting authority as may be necessary or required. Records of injection rates (volumes) and pressures should be kept.

H. Test Procedures

Test procedures for the determination of water quality parameters and constituents shall be in accord with provisions of Water Quality Rules and Regulations Chapter VIII, Section 7.

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the report or application.
2. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified elsewhere in the permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a useable Groundwater of the State.
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between useable Groundwaters of the State.

A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:
 - a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
 - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
 - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.
11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

1. Violation of the permit;
2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every five (5) years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the Council.

This operation (permit) can be terminated by authority of the Administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every ten (10) years by the Administrator.

Public notice prior to the issuance of this permit is not required.

Existing regulations do not require public notice of the permit review and request for public comment every ten years, for this discharge.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Not required for permit issuance for this discharge.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical integrity has been restored and permission to continue the discharge has been obtained from the Administrator.

L. Abandonment

The permittee shall notify the Administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the Director and follow the procedures prescribed by the Director for plugging and abandonment or the discontinuance of related activities:

Abandonment of the injection well(s) will conform to current state regulations and requirements.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;
3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;
4. Furnish to the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the Administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

The permittee is required to maintain financial responsibility and resources in form approved by the Director, to close, plug and abandon the discharge operation in a manner prescribed by the Director.

Certification of financial responsibility is waived.

O. Special measures the Director finds necessary:

None.

P. Special permit conditions:

Pollution or waste which migrates into an aquifer containing a useable groundwater of the State is a violation of the permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

All reports required by this permit and other requested information shall be signed as follows:

For a corporation -- by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

For a municipality, State, Federal or other public agency -- by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the described principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by an authorized representative.

Any person signing a report or other requested information shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

S. Permit Transfer

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the Department Director.

T. Responsibilities

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.

U. Property Rights

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.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

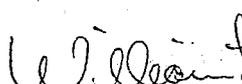
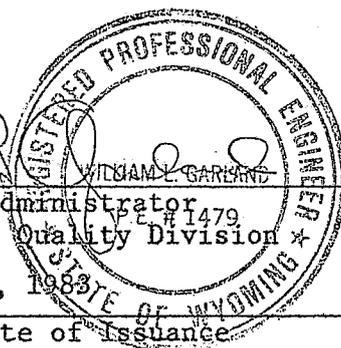
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

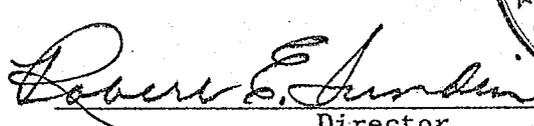
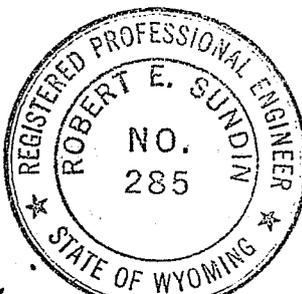
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:



Administrator
Water Quality Division
September 6, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Jerry L. Nelson
P. O. Box 25
Grover, WY 83122

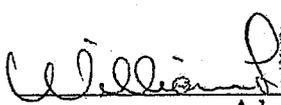
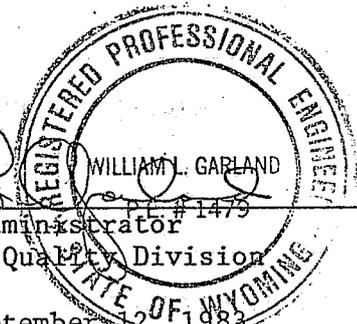
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

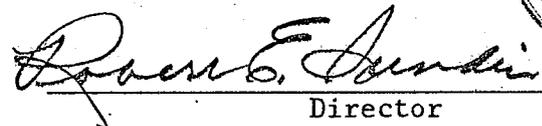
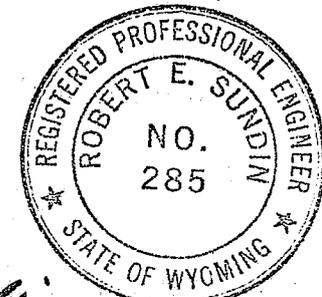
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
STATE OF WYOMING
September 12, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

xc: Keith Neustal, HWS
P.O. Box 432
Buffalo, WY 82834

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 COFFEEN AVE., SUITE 301
SHERIDAN, WYOMING 82801

PROJECT: Park West Subdivision

ARCHITECT OR ENGINEER: Keith A. Neustel
Hoskins-Western-Sonderegger
P.O. Box 432
Buffalo, Wyoming 82734

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-430

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: August 31, 1983

ACTION: Not Authorized for Construction.

COMMENTS:

It appears that the sewer will be approximately one foot under the roadway surface at Sta 12+50, and two feet at Sta 16+50. This situation is not acceptable for most pipe materials, with regard to impact loading from vehicles, and is unwise from the standpoint of possible freezing. One of the following alternatives must be complied with before a Permit can be issued:

- a) Rerouting of the sewer to provide at least three feet, and preferably four feet, of cover;
- b) Filling of the roadway to provide such cover; or
- c) Submittal of a pipe design, using specific materials of specific properties and dimensions, indicating ability of the pipe to withstand the highest traffic loading anticipated in this industrial area, with a suitable factor of safety.

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

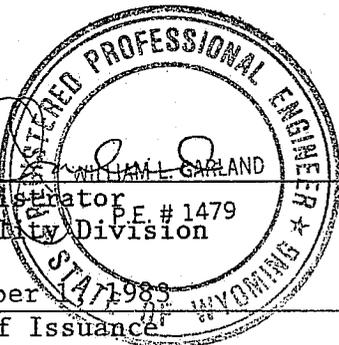
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

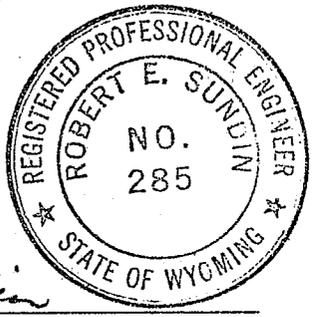
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
September 13, 1989
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.

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

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

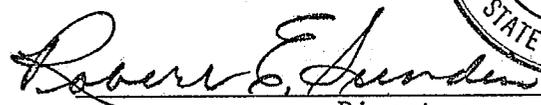
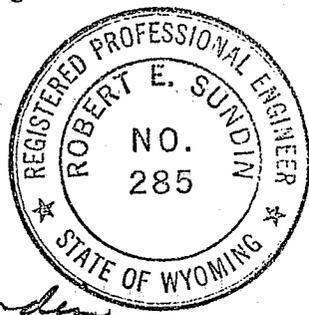
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrative
Water Quality Division
September 1, 1983
Date of Issuance



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

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

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

8-18-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-433R

Frontage Road Sanitary Sewer
(Name of Facility)

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

City of Rawlins

P.O. Box 953

Rawlins, WY 82301

to construct, install, or modify a sanitary sewer facility according to the procedures and conditions of the application No. 83-433R. The facility is located in Section 15, 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.

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

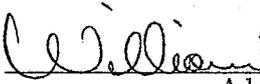
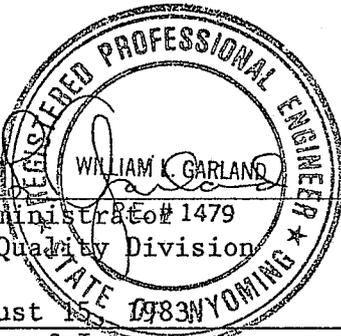
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

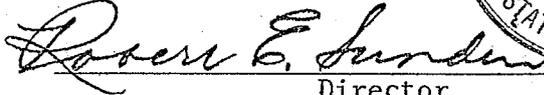
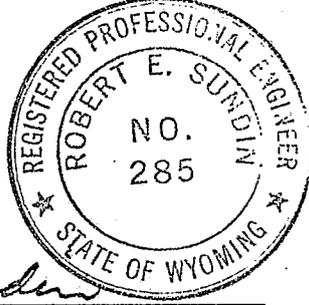
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:



WILLIAM K. GARLAND
Administrative # 1479
Water Quality Division
August 15, 1983
Date of Issuance



ROBERT E. SUNDEN
NO. 285
STATE OF WYOMING
Director
Dept. of Environmental Quality

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

cc: Michael W. Sabatini
City of Rawlins
P.O. Box 953
Rawlins, WY 82301

8-15-83

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 83-434
SEE SPECIAL CONDITIONS

Edness Kimball Wilkins State Park
(Name of Facility)

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

Wyoming Recreation Commission

1920 Thomes

Cheyenne, WY 82002

to construct, install, or modify a two subsurface sewage treatment and disposal facilities according to the procedures and conditions of the application No. 83-434. The facility is located in Section 10, 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 Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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

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

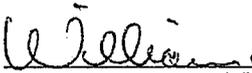
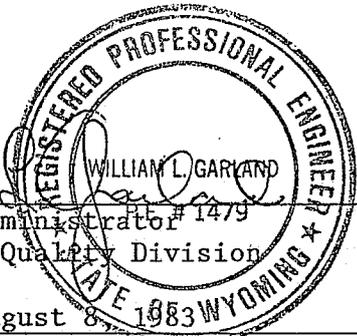
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

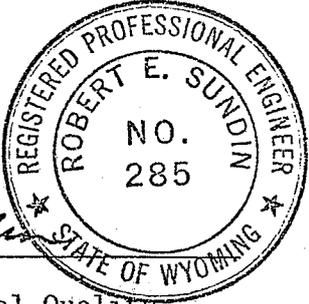
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division
August 8, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

Conditions to Permit to Construct

1. The septic tank shall be constructed of durable material not subject to excessive corrosion or decay and structurally capable of supporting the loads to which it will be subjected. The tank shall be watertight.
2. The septic tank shall have a length to width ratio of no less than two to one, or be so partitioned as to provide protection against short circuiting of flow. The water depth shall be no less than four feet nor greater than six feet. The septic tank inlet shall be provided with a tee or baffle. The outlet shall be provided with a tee or baffle that extends into the middle third of the water depth to prevent floating or settled solids from carrying over into the disposal field or bed. The inlet pipe shall be at least three inches higher than the outlet pipe.
3. The outlet elevation shall be designed to provide a distance of 20 percent of the liquid depth between the top of the liquid and the bottom of the septic tank cover for scum storage.
4. A manway access shall be provided to each compartment of the septic tank for inspection and cleaning. The manway access shall have a minimum opening of 20 inches in the least dimension. Both inlet and outlet devices shall be accessible. A cleanout having a minimum diameter of six inches shall be provided in each tank compartment and shall extend to the ground surface and be capped.

cc: Alvin F. Bastron, WY Recreation Commission, 1920 Thomes, Cheyenne, WY 82001

8-16-83



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 15, 1983

Richard H. Colson, Assistant Superintendent
Carbon County School District #1
P.O. Box 160
Rawlins, WY 82301

RE: Bagg's Athletic Facilities Construction Permit, DEQ/WQD Ref. No.
83-435

Dear Mr. Colson:

Pursuant to Section 4.e. of Chapter III, Water Quality Rules and Regulations, this Department has determined that a permit is not required for the construction of this wastewater service connection from a single building to a wastewater collection line.

Respectively,

Thomas S. Norman
Water Quality Engineer

TSN/nc

cc: Victor E. Anderson
Banner Associates, Inc.
P.O. Box 550
Laramie, WY 82070

*Plans returned to
Eng.*

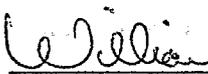
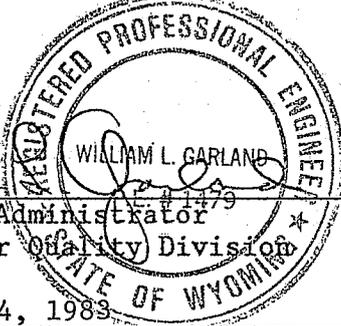
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

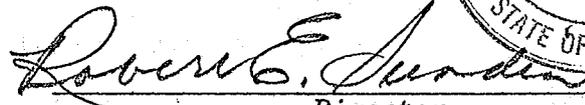
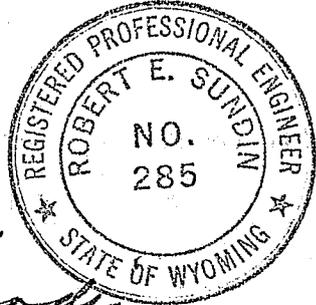
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
October 4, 1983
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.

JB:mpm

cc: Kevin D. Jones
Carlton & Carlton
748 Lombard Street
Evanston, WY 82930



Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

October 21, 1983

George and Mary Schwitzer
Star Route 2, Box 106
Evanston, WY 82930

Re: "As Built" Plans and Specifications for Pushrake Subdivision
System A-DEQ/WQD No. 83-437RR

Dear Mr. & Mrs. Schwitzer:

The above mentioned "As Built" plans and specifications have been reviewed. System A does not comply with the minimum design standards as defined by the State of Wyoming. Since this system has been working satisfactorily for a number of years, this department will grant conditional authorization.

The intent of this conditional "As Built" authorization is to a) provide facilities for interim treatment of wastewater until that treatment is available through a centralized collection system, and b) provide adequate protection for public health. The conditions for this authorization are as follows:

1. All recommendations stipulated by the U.S.E.P.A. for monitoring the water well must be adhered to.
2. If the water well becomes contaminated for any reason, this office and the U.S.E.P.A. must be notified immediately. The well may then have to be abandoned and connections made to the city water system.
3. As soon as central sewer becomes available, the system must be abandoned and connections made.

Please retain this letter as verification of the conditional authorization. If you have any questions regarding these requirements please feel free to contact me.

Sincerely,

Jack Bedessem
Jack Bedessem
Water Quality Engineering
Area Evaluator
Southwest District

JB:mpm

cc: Cheyenne DEQ/WQD
Jim Golding - Evanston
Kevin Jones - Carlton & Carlton
File (2)
William Cates - Uinta County



Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

October 21, 1983

Goerge and Mary Schwitzer
Star Route 2, Box 106
Evanston, WY 82930

Re: "As Built" Plans and Specifications for Pushrake Subdivision
System B - 83-438RR

Dear Mr. & Mrs. Schwitzer:

The above mentioned "As Built" plans and specifications have been reviewed. System B does not comply with the minimum design standards as defined by the State of Wyoming. Since this system has been working satisfactorily for a number of years, this department will grant conditional authorization.

The intent of this conditional "As Built" authorization is to a) provide facilities for interim treatment of wastewater until that treatment is available through a centralized collection system, and b) provide adequate protection for public health. The conditions for this authorization are as follows:

1. All recommendations stipulated by the U.S.E.P.A. for monitoring the water well must be adhered to.
2. If the water well becomes contaminated for any reason, this office and the U.S.E.P.A. must be notified immediately. The well may then have to be abandoned and connections made to the city water system.
3. As soon as central sewer becomes available, the system must be abandoned and connections made.

Please retain this letter as verification for the conditional authorization. If you have any questions regarding these requirements please feel free to contact me.

Sincerely,

Jack Bedessem
Jack Bedessem
Water Quality Engineering
Area Evaluator
Southwest District

JB:mpm

cc: Cheyenne DEQ/WQD
Jim Golding - Evanston
Kevin Jones - Carlton & Carlton
File (2)
William Cates - Uinta County



Department of Environmental Quality

Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-3311

October 21, 1983

George and Mary Schwitzer
Star Route 2, Box 106
Evanston, WY 82930

Re: "As Built" Plans and Specifications for Pushrake Subdivision
System C - DEQ/WQD No. 83-439RR

Dear Mr. & Mrs. Schwitzer:

The above mentioned "As Built" plans and specifications have been reviewed. System C does not comply with the minimum design standards as defined by the State of Wyoming. Since this system has been working satisfactorily for a number of years, this department will grant conditional authorization.

The intent of this conditional "As Built" authorization is to a) provide facilities for interim treatment of wastewater until that treatment is available through a centralized collection system, and b) provide adequate protection for public health. The conditions for this authorization are as follows:

1. All recommendations stipulated by the U.S.E.P.A. for monitoring the water well must be adhered to.
2. If the water well becomes contaminated for any reason, this office and the U.S.E.P.A. must be notified immediately. The well may then have to be abandoned and connections made to the city water system.
3. As soon as central sewer becomes available, the system must be abandoned and connections made.

Please retain this letter as verification of the conditional authorization. If you have any questions regarding these requirements please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Jack Bedessem".

Jack Bedessem
Water Quality Engineering
Area Evaluator
Southwest District

JB:mpm

cc: Cheyenne DEQ/WQD
Jim Golding - Evanston
Kevin Jones - Carlton & Carlton
File (2)
William Cates - Uinta County



STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

October 21, 1983

George and Mary Schwitzer
Star Route 2, Box 106
Evanston, WY 82930

Re: "As Built" Plans and Specifications for Pushrake Subdivision
System D - DEQ/WQD No. 83-440RR

Dear Mr. & Mrs. Schwitzer:

The above mentioned "As Built" plans and specifications have been reviewed. System D does not comply with the minimum design standards as defined by the State of Wyoming. Since this system has been working satisfactorily for a number of years, this department will grant conditional authorization.

The intent of this conditional "As Built" authorization is to a) provide facilities for interim treatment of wastewater until that treatment is available through a centralized collection system, and b) provide adequate protection for public health. The conditions for this authorization are as follows:

1. All recommendations stipulated by the U.S.E.P.A. for monitoring the water well must be adhered to.
2. If the water well becomes contaminated for any reason, this office and the U.S.E.P.A. must be notified immediately. The well may then have to be abandoned and connections made to the city water system.
3. As soon as central sewer becomes available, the system must be abandoned and connections made.

Please retain this letter as verification of the conditional authorization. If you have any questions regarding these requirements please feel free to contact me.

Sincerely,

Jack Bedessem
Jack Bedessem
Water Quality Engineering
Area Evaluator
Southwest District

JB:mpm

cc: Cheyenne DEQ/WQD
Jim Golding - Evanston
Kevin Jones - Carlton & Carlton
File (2)
William Cates - Uinta County

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Allison Warehouse Septic System

ENGINEER: None

OWNER: Gordon Allison
P. O. Box 606
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #83-441

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: August 25, 1983

ACTION: Not authorized.

COMMENTS: Your application for a septic system to serve the proposed warehouse cannot be accepted for review. As required by Section 4(b) of Chapter III of the Wyoming Water Quality Rules and Regulations (copy enclosed), the plans must carry the seal or signature of an engineer registered in the State of Wyoming. In accordance with Section 4(c) of Chapter III your application is being returned to you. Please have a licensed engineer sign the plans and then resubmit the application in triplicate to this office.

If you have any questions, please call me.

FL:dcn

Enclosures

cc: Tim Morrison - Park County Planner

ABC

12-1-83

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 83-442R*

*Note Conditions on Back

CEDAR HILLS WATER MAIN EXTENSION AND
PINE HAVEN WATER SYSTEM PUMP STATION
(Name of Facility)

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

Harwood Lumber Mart, Inc.; Attn: Frank Harwood
Pine Haven Route
Moorcroft, Wyoming 82721

to construct, install, or modify a public water supply main extension; and
pump station for an Improvement and Service District

facility according to the procedures and conditions of the
application No. 83-442R. The facility is located in Sec. 32, T.51N., R.66W.

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.

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

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

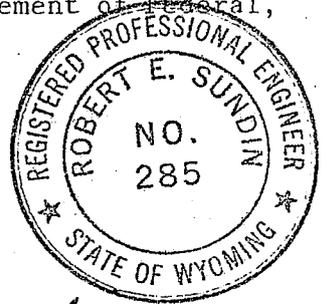
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:



William Gartland

WILLIAM GARTLAND
Administrator
Water Quality Division
P.E. #1479
November 22, 1983
Date of Issuance

Robert E. Sundin

Director
Dept. of Environmental Quality

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

CONDITIONS

1. All water piping within the pumping station shall be in accordance with AWWA specifications C151 for Ductile Iron Pipe, Class 51; and C110, Ductile Iron and Gray Iron Fittings.
2. The fire pump shall be Model 3015-5, not Model 3070-5.

xc: Bearlodge Engineering
P.O. Box 130
Sundance, WY 82729

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 COFFEEN AVE., SUITE 301
SHERIDAN, WYOMING 82801

PROJECT: Cedar Hills Water Main Extension and
Pine Haven Water System Pump Station

ARCHITECT OR ENGINEER: Ralph Goodson
P.O. Box 125
Sundance, Wyoming 82729

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-442

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: September 9, 1983

ACTION: Not Authorized for Construction. See comments.

COMMENTS:

1. The supporting information for the main extension appears satisfactory.
2. Please indicate the time frame for the population projections used in the design analysis. The overall plan view indicates that 700 or more lots may at sometime be required to be served by this system. The situation is not clear.
3. The piping, pipe support, valving, and other materials to be used in the pump station building must be specified.
4. The electrical and control systems for the pumps must be clearly described and specified. It is recommended (not required) that a control system capable of starting the backup pump automatically be installed.
5. Please perform a NPSH analysis for the fire pump.
6. Pressure guages should be provided for the pump discharge piping. Shutoff valves, as well as check valves, must be provided on each pump discharge pipe.
7. Please forward a letter from the local fire authorities indicating:
 - a) they are aware that the fire pump will have to be manually started in the event of a fire emergency,
 - b) they are aware that the fire pump will have to be manually stopped when a fire emergency has ended,

Review, 83-442
September 9, 1983
Page Two

- c) they will have the ability, within the fire command structure, to reach and start the fire pump at any time, without regard to which individuals respond to a fire emergency, and
 - d) the pumping capacity, current and anticipated, of the fire fighting apparatus used.
8. Standby power for a pump station of this size is ordinarily required. Please indicate why it is not proposed to be provided.



Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

January 6, 1984

Ted Jorgensen
J & W Construction
P. O. Box 847
Afton, WY 83110

Re: "As Built" USFS Garage Wastewater Disposal System (83-443R)

Dear Mr. Jorgensen:

The above mentioned facility is located in Sec. 19, T32N, R118W, Lincoln County, Wyoming. After reviewing the facility plans, they appear to meet the minimum design standards for the State of Wyoming.

A "Permit to Construct" cannot be issued owing to the fact that the facility has already been built. Please retain this letter as verification that the facility has been accepted by the Wyoming Department of Environmental Quality.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jack Bedessem".

Jack Bedessem
Area III Supervisor

JB:mpm

cc: Roger L. Jacobson
Cheyenne DEQ/WQD
File (2)

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

October 11, 1983

Marlowe Scherbel
Surveyor Scherbel, Ltd.
P. O. Box 725
Afton, WY 83110

Re: USFS Garage Wastewater Disposal System (83-443)

Dear Marlowe:

As per our conversation September 28, 1983, it is my understanding that changes have been made in the collection systems design. Clean outs need to be installed at the alignment changes and/or intersections.

Revised plans, in triplicate, need to be submitted to this office. The plans should include a cleanout detail drawing. Also, note these plans need to be signed by design engineer.

I enjoyed talking with you in Jackson, and if you have any further questions please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Jack Bedessem".

Jack Bedessem
Water Quality Engineering Evaluator
Southwest District

JB:mpm

cc: Cheyenne DEQ/WQD
Roger L. Jacobsen
File (2)

PERMIT TO CONSTRUCT

New (Corrected)

Permit No. 83-445RR

Renewal

Modified

Como No. 4 Well
(Name of Facility)

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

Jerry Drake, Mayor

Town of Medicine Bow

P.O. Box 156

Medicine Bow, WY 82329

to construct, install, or modify a municipal water supply well facility according to the procedures and conditions of the application No. 83-445RR. The facility is located in Section 4, T22N, R77W in the County of Albany, in the State of Wyoming.

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

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

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

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

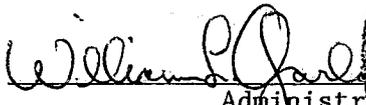
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

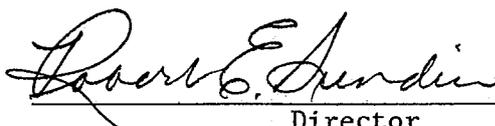
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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
Administrative
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING


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

May 14, 1985
Date of Issuance

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

cc: Joseph C. Lord
Banner Associates, Inc.
P.O. Box 550
Laramie, WY 82070



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 21, 1985

Jerry Drake, Mayor
Town of Medicine Bow
P.O. Box 156
Medicine Bow, WY 82329

RE: Permit to Construct #83-445RR

Dear Mayor Drake:

Enclosed please find the corrected permit to construct for Como No. 4 Well. The permit previously sent you should be destroyed as we inadvertently put the county as Carbon instead of Albany. Please accept our apologies for this error and we hope this has not caused any inconvenience.

Sincerely,

A handwritten signature in cursive script that reads "Thomas S. Norman".

Thomas S. Norman
Water Quality Engineer

TSN/nc
Enclosures

cc: Joseph C. Lord
Banner Associates, Inc.
P.O. Box 550
Laramie, WY 82070

5-8-85

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: Como #4 Well, Albany Co.

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

APPLICANT: Town of Medicine Bow
P.O. Box 156, Medicine Bow, WY 82329

WATER QUALITY DIVISION REFERENCE NUMBER: 83-445R

REVIEWING ENGINEER: Thomas S. Norman *BS Norman*

DATE OF REVIEW: May 6, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Three copies of the plans and specifications are required.
2. The quality and quantity testing results need to be submitted. Sufficient information must be submitted in order to evaluate that the design quantities can be supplied on a long term basis and that the quality is potable (see attached).
3. A flow meter is required.
4. Was any well screen installed and what was the design basis for sizing?
5. Page 15 B-3, Section 2.5. The wall thickness must be identified.
6. A pressure gauge is not shown in the valve vault.
7. The discharge piping must be arranged to permit test pumping and control of each well.

TN/nc

(6) Specialized requirements for tests, analyses, disinfection techniques, and other special needs.

(7) Specifications for well construction shall require the collection of the following which must be recorded and reported to the Wyoming Department of Environmental Quality, Water Quality Division.

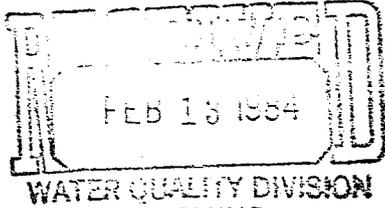
(a) Geological Data. Geological data shall be obtained, recorded and reported to the Department of Environmental Quality, Water Quality Division.

(b) Well Construction Data. Well construction data shall include screen locations, size of screen openings, screen intervals, accurate records of drill hole diameters and depths, assembled order and size and length of casing and liners, casing wall thickness, grouting depths, formations penetrated, water levels, and location of any blast charges.

(c) Well Test Data.

- (1.) Test pump capacity-head characteristics.
- (2.) Static water level.
- (3.) Depth of test pump setting.
- (4.) Time of starting and ending each test cycle.
- (5.) Pumping rate.
- (6.) Pumping water level.
- (7.) Drawdown.
- (8.) Water recovery rate and levels.

BANNER



February 8, 1984

Department of Environmental Quality
Water Quality Division
1111 East Lincolnway
Cheyenne, Wyoming 82002

Re: DEQ/WQD Reference No. 83-445
Banner Project No. 1619-1-16

Attention: Mr. Thomas S. Norman

Dear Tom:

Enclosed is the form your office requires regarding the status of the Como #4 Well project in Medicine Bow, Wyoming. As we discussed in our telephone conversation, DEQ authorized construction and testing of the well in an application review dated August 15, 1983. The review stated that final design information will be required by DEQ after the testing is completed and prior to issuance of a permit to construct.

To date, Como #4 Well has been drilled and cased, but adverse weather has prevented testing for water quantity or quality. It is anticipated that the testing phase will be completed in early spring. However, if the well proves favorable in water quantity and quality, the design of the pump, pump house, pipeline and appurtenances will be subject to the availability of funds by the Town of Medicine Bow. Therefore, the time when the application for permit to construct will be resubmitted is not known.

If you have any questions regarding this matter, please call me at 745-7366.

Sincerely,

Banner Associates, Inc.

By Richard K. Johnson
Richard K. Johnson

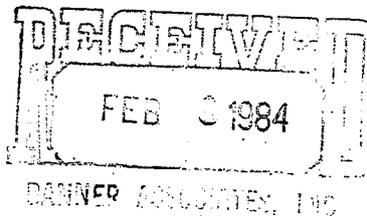
RKJ/ww

Enclosure

cc: Town of Medicine Bow

BANNER ASSOCIATES, INC
CONSULTING ENGINEERS & ARCHITECTS
629 PLAZA COURT • P. O. BOX 550
LARAMIE, WY 82070-0550 • (307) 745-7366

ACTIVE
BN
TO NORMA



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 6, 1984

Gerald W. Cook, Mayor
P.O. Box 156
Medicine Bow, WY 82329

Dear Mayor Cook:

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:	Como Well #4, Town of Medicine Bow
DEQ/WQD Reference Number:	83-445
Engineering Consultant:	Michael Purcell, Banner & Assoc.
DEQ/WQD Reviewing Engineer:	Thomas S. Norman
Date of DEQ/WQD Review:	August 15, 1983

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 See letter

2-7-84



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 6, 1984

Gerald W. Cook, Mayor
P.O. Box 156
Medicine Bow, WY 82329

Dear Mayor Cook:

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:	Como Well #4, Town of Medicine Bow
DEQ/WQD Reference Number:	83-445
Engineering Consultant:	Michael Purcell, Banner & Assoc.
DEQ/WQD Reviewing Engineer:	Thomas S. Norman
Date of DEQ/WQD Review:	August 15, 1983

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

Review of Plans and Specifications

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

PROJECT: Como #4 Well, Carbon Co.

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

APPLICANT: Gerald W. Cook, Mayor
P.O. Box 156, Medicine Bow, WY 82329

WATER QUALITY DIVISION REFERENCE NUMBER: 83-445

REVIEWING ENGINEER: Thomas S. Norman *T.S. Norman*

DATE OF REVIEW: August 15, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Pursuant to Section 15 of Chapter III of the Water Quality Rules & Regulations, you are hereby granted approval to proceed with well construction and development in order to obtain final design information. Once the well is completed and the actual well yield is found and a complete water analysis is performed, then DEQ will evaluate this information before a permit to construction will be issued. The applicant is referred to Sections 3.2.2 and 3.2.4.1 of Ten State Standards.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-446R

Coughlin-Pole Mountain 2nd Addition
(Name of Facility)

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

Consolidated Sales

c/o Larry Romsa

1002 South 3rd

Laramie, WY 82070

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 83-446R. The facility is located in Section 28, T16N, R73W in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

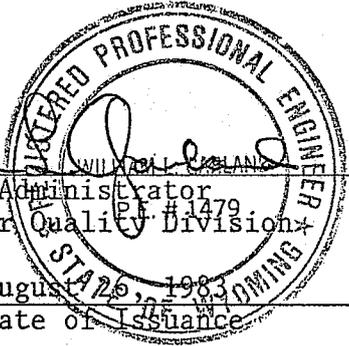
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

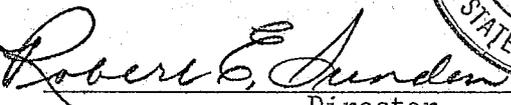
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division
P. # 1479
August 26, 1983
Date of Issuance




Director
Dept. of Environmental Quality


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

cc: Lloyd H. Baker
Gertsch/Baker and Assoc.
P.O. Box 880
Laramie, WY 82070

8-19-83

Review of Plans and Specifications

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

PROJECT: Coughlin Pole Mountain 2nd Addition, Albany Co.

ARCHITECT OR ENGINEER: Lloyd Baker, Gertsch/Baker & Assoc.
P.O. Box 880, Laramie, WY 82070

APPLICANT: Consolidated Sales, c/o Larry Romsa
1002 S. 3rd, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 83-446

REVIEWING ENGINEER: Thomas S. Norman *T.S. Norman*

DATE OF REVIEW: August 18, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans were not signed or sealed by a Wyoming registered engineer.
2. The invert on Manhole 1-B on Curtis Street appears to be in error when calculating the slope to the southwest. An invert of 194.69 corresponds to the slope and to the drawing. The invert shown is correct going east.
3. The meter pits require drains on sheet 5/6 for both the 1-1/2"-4" meter setting and the 4" or greater meter setting. I don't see where these details apply to this application.

PERMIT TO CONSTRUCT

New

Permit No. 83-447RR

Renewal

Modified

Glenrock Water Line Extension
(Name of Facility)

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

Homax Oil Sales, Inc.

101 South Sixth Street

Glenrock, WY 82637

to construct, install, or modify a potable water line facility according to the procedures and conditions of the application No. 83-447RR. The facility is located in Sections 5 and 6, T33N, R75W in the County of Converse, in the State of Wyoming.

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

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

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

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

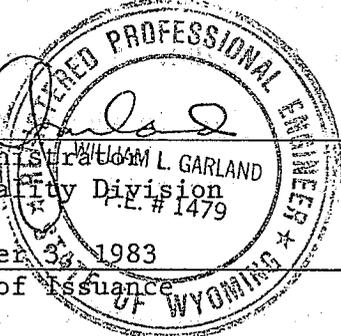
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

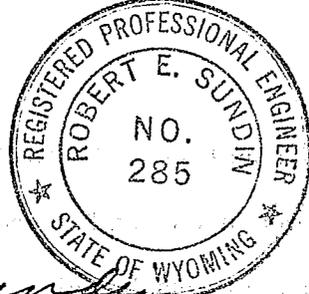
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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:


Admin. 
Water Quality Division
P.E. # 1479
October 30, 1983
Date of Issuance


Director
Dept. of Environmental Quality


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

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

8-16-83

Review of Plans and Specifications

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

PROJECT: Glenrock Waterline Extension, Converse Co.

ARCHITECT OR ENGINEER: John A. Lambert, P.E.
P.O. Box 34, Douglas, WY 82637

APPLICANT: Town of Glenrock
P.O. Box 417, Glenrock, WY 82637

WATER QUALITY DIVISION REFERENCE NUMBER: 83-447

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

Theodore D. Coyer

DATE OF REVIEW: August 15, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Gate valves should be installed in the water line at maximum intervals of 800 feet.
2. A profile of the water line should be provided.
3. The estimated static and dynamic water pressures should be provided. A letter from the Glenrock Department of Public Works stating they can provide water at a minimum dynamic pressure of 35 psi should be provided.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 83-448

Luker Addition
(Name of Facility)

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

Casper Board of Public Utilities

200 N. David Street

Casper, WY 82601

to construct, install, or modify a potable water main and sanitary sewer facility according to the procedures and conditions of the application No. 83-448. The facility is located in Section 12, 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.

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

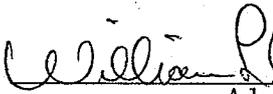
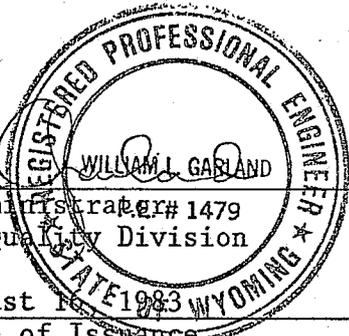
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

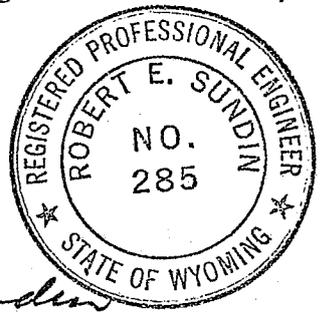
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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
Administrative # 1479
Water Quality Division
August 10, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Lee S. Bublitz
Mile High Engineering, Inc.
1700 South Harrison St., Suite 500
Denver, CO 80210

11-1-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

*Department of Environmental Quality
Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 30, 1984

Civil Engineering Professionals, Inc.
240 South Wolcott, Suite 202
Casper, WY 82601

RE: Rawlins Water Treatment Plant, Construction Permit No. 83-449R

Dear Mr. Brauer and Mr. Venn:

Your letter concerning the ventilation system for the chlorination room at the Rawlins Water Treatment Plant has been received.

The installation of a fan which will provide a complete air change every 1 minute 20 seconds is acceptable to the Water Quality Division.

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

Sincerely,

Theodore D. Coyer

Theodore D. Coyer, P.E.
Engineering Evaluator

TDC/nc

cc: Mike Sabatini, City Engineer, Rawlins, Wyoming

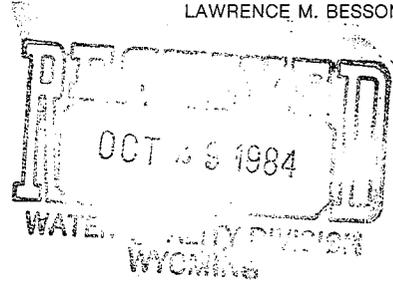


Civil
Engineering
Professionals
Inc.

240 SO. WOLCOTT, SUITE 202
CASPER, WYOMING 82601
(307) 266-4346

PRINCIPALS
BARRY R. VENN, M.S.E., P.E.
EUGENE C. CALVERT, P.E., L.S.
LAWRENCE M. BESSON, E.I.T.

October 25, 1984



Department of Environmental Quality
Hershler Building
Cheyenne, Wyoming 82002

Attn: Ted Coyer

Re: Rawlins Water Treatment Plant, DEQ Construction Permit No. 83-449R
W.O. #83-01F

Dear Mr. Coyer:

The purpose of this letter is to formally request a variance from the Ten State Standards, section 5.4.1.c.1. The Standards state that each chlorine room shall have a ventilating fan with a capacity which provides one room change per minute, when the room is occupied.

The precast concrete for the water treatment plant has a knock-out for the ventilation fan 4' above the floor. The precast was erected without correcting the location of the knock-out. In order to comply with Section 5.4.1.c.2, a duct can be attached to the fan to properly ventilate the lower part of the room. By attaching this duct, the capacity of the fan is decreased from 6800 cfm at 1/8" sp to 5000 cfm at 1/4" sp. The resulting decrease in flow rate raises the time for a complete change from 1 minute to 1 minute 20 seconds.

The only other options at this time are to move the fan or buy a larger fan. Both of these options are quite costly. This change will be discussed with the City of Rawlins personnel and will be submitted to the City for their approval prior to any construction decision. Any consideration or recommendations you could give would be greatly appreciated.

Thank you.

Sincerely,

CIVIL ENGINEERING PROFESSIONALS, INC.

Rod Brauer
Rod Brauer
Project Representative
Barry Venn
Barry Venn, P.E.

Licensed In:
Wyoming
Colorado



MEMBER

cc. Mike Sabatini, City Engineer, Rawlins Wyoming
RB:BV:cpb

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-449R

Rawlins Water Treatment Plant
(Name of Facility)

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

City of Rawlins

P.O. Box 953

Rawlins, WY 82301

to construct, install, or modify a potable water treatment plant facility according to the procedures and conditions of the application No. 83-449R. The facility is located in Section 31, T21N, R87W in the County of Carbon, in the State of Wyoming.

This permit shall be effective for a period of three (3) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

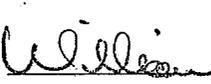
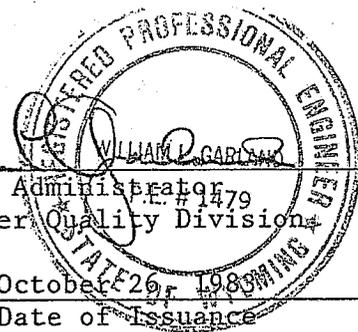
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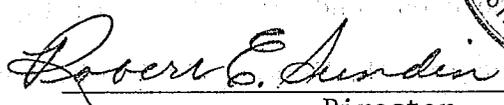
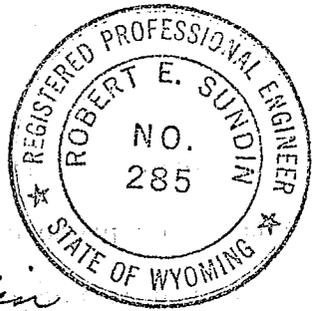
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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. Carlson
Administrative # 1479
Water Quality Division
October 29, 1988
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Russell L. Donley
Russell L. Donley & Assoc.
240 S. Wolcott, Suite 202
Casper, WY 82601

1. A construction permit for raw water pipeline & booster pumping system not required. —

a. recommend an air release <

→ b. recommend A-C pipe not be used between potable & raw water

2. Will a connection to ~~city~~ systems be maintained? Detail ft, schematic of ft will be abandoned.

3. Will a control mechanism be provided to maintain water in piping between the plant & storage tanks?

4. What is the capacity of the vertical turbine pumps? How does this system work? OK.
 → will mail the addendum.

5. Need at least two chlorine eductors for post chlorination system. One for standby.

6. Flow sequence on page M7 — some problems.

7. Chlorine room exit. — will relocate scales.

work letter

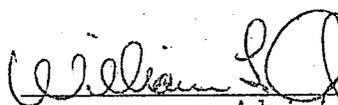
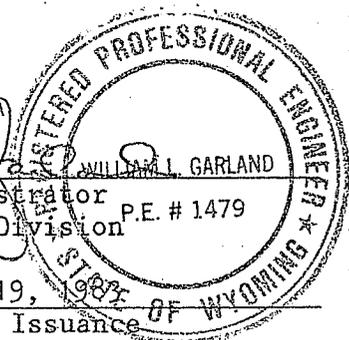
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

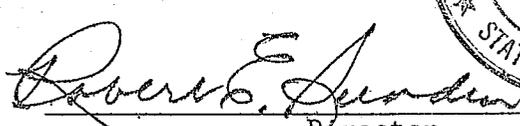
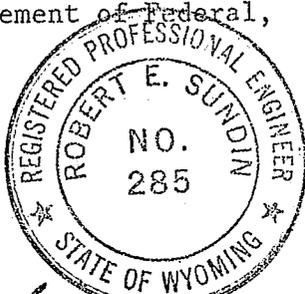
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division P.E. # 1479
December 19, 1983
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.

Condition to Permit to Construct

The applicant must furnish by addendum those items identified in the response letter from CH₂M Hill dated November 2, 1983.

cc: Dave Raby
CH₂M Hill
P.O. Box 22508
Denver, CO 80222

Norma

83-450



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 19, 1983

Mr. Dave Engels
Utility Director
Board of Public Utilities
200 North David
Casper, Wyoming 82601

Re: City of Casper
EPA Grant Number C560230-01
Plan and Specification Review -
Package P-4-F

Dear Mr. Engels:

Forwarded herewith are the review comments on the plans and specifications for package P-4-F. The specifications for the combined bidding of packages P-3-F and P-4-F have been forwarded to EPA for review. Their comments will be forwarded upon our receipt of same. Once all of the changes have been incorporated, please send four sets of final plans and specifications for our review. If the plans and specifications are acceptable, we can note them as acceptable and distribute them. The four sets would be distributed as follows:

1-Department of Environmental Quality Archives
1-Department of Environmental Quality Project Officer
1-CH2M Hill
1-City of Casper

If additional approved sets are desired by the city, these would have to be added to the four sets required. If you have any questions on the above, please let me know.

Sincerely,

G. Alan Edwards

G. Alan Edwards
Engineering/Grants Evaluator

GAE/kb

cc: Mr. Dave Raby, CH2M Hill (with enclosure)
Grant File
Norma Coulson, DEQ

Review of Plans and Specifications

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

PROJECT: Mills-Casper-Evansville Wastewater System, Chlorination-Dechlorination,
Bid Package P-~~3~~⁴-F

ARCHITECT OR ENGINEER: CH2M Hill

WATER QUALITY DIVISION REFERENCE NUMBER: 83-450 EPA C560126-01

REVIEWING ENGINEER: G. Alan Edwards, Tom Norman *B. Norman*

DATE OF REVIEW: October 17, 1983

ACTION: Not authorized for construction

COMMENTS: See attached.

Specifications

- 1) The plans and specification should be signed by a Wyoming registered engineer.
- 2) The enclosed EPA contract conditions dated August 1, 1983, should be included in the advertisement for bids and the bid form as required.
- 3) Page 11235-2 "Sulfer Dioxide Detectors" - The paragraph starts out with "The chlorine leak detectors". Should this read sulfer dioxide detectors?
- 4) Do the insurance provisions cover fire loss?
- 5) The specifications should include a specific statement that no by-passing will be allowed during construction.
- 6) The correct wage determination from the Department of Labor should be included in the specifications at the time of bid advertisement and must still be valid at the date of award. The enclosed "request for determination" may be used by the Casper Board of Public Utilities for a special wage request. The wage decision can be obtained within 30 days and will be valid for a period of 90 days from issuance. The request should be sent to:

U.S. Department of Labor
Employment Standards Administration
Division of Construction Wage Determinations
Room S-3012
200 Constitution Avenue N.W.
Washington, D.C. 20210
ATTENTION: Gladys Norris

- 7) The Table of Contents under General Conditions appear to have incorrect page numbers listed for some of the sections.
- 8) Page 6 Instructions to Bidders - There is a question about what will be done with bid security for a contractor who submits bid security for a for a combined P-3-F, P-4-F bid but is only in the running for low bid on one package, such as P-4-F. Would his bid security be reduced or would it all be retained until bid award?
- 9) Page 7 Supplementary Conditions - Why was Attachment G to the Federal inserts on project sign details eliminated? Even if the existing sign is to be amended and used for these packages, a description of what will be required for the sign should be provided.

Plans

- 1) An over-all flow schematic of the chlorination and sulfer dioxide process would be beneficial.

- 2) Page 1-Y-3 "Diversion Structure #4 See SH 1-Y-12" should be 1-Y-13.
- 3) Page 1-Y-3 "Chlorine Contact Basin See SH 12-S-1" should be 15-S-1. There is no sheet 12-S-1.
- 4) Sheet reference notes are not completed on all plan sheets. See sheet number 13-M-1, notes 1 and 2 as examples.
- 5) Page 13-M-2- Pump numbers in notes 3 and 5 are incorrect.
- 6) Based upon flow rates on page 1-6-10, the minimum detention time would be 13.6 minutes instead of 15 minutes as indicated on page 1-G-12.
- 7) It is understood that the existing chlorination basin would be converted to a sulfur dioxide basin. Would it be clearer to identify this basin as a SO₂ basin?

General Details

- 1) Many of the general details have pencilled notes and items crossed out. These should be cleaned up.
- 2) General Details 15600 and 15605 relate to wall pipe and seep rings. These details indicate welding a steel seep ring to the ductile iron or galvanized pipe. Is it possible to weld such dissimilar metals?

The Corps of Engineers biddability and constructability review comments are forwarded herewith. The revised specifications and proposal form received October 13, 1983, has been forwarded to EPA for review by the regional EPA legal counsel. Review comments received from the EPA will be forwarded upon our receipt of same. The changes to the plans and specifications resulting from the value engineering study need to be incorporated into the final plans and specifications.