



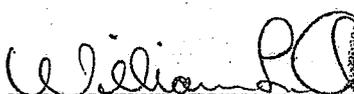
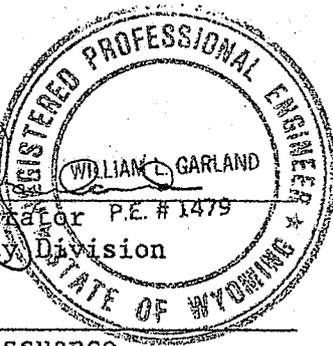
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

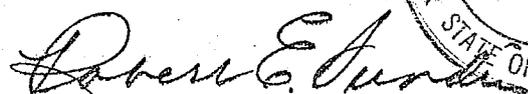
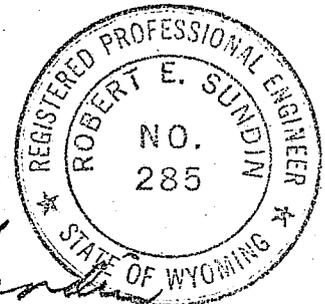
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  
STATE OF WYOMING  


April 30, 1984

Date of Issuance

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

\* CONDITION OF PERMIT \*

The intent of the construction authorized by this permit is to provide facilities for the interim disposal of wastewater until such time that treatment is available through a regional wastewater collection system. The Rock Springs EPA 201 Facility Plan requires that treatment be provided through a regional system. The disposal facility authorized by this permit may be operated until the regional collection system becomes available.

Connection to the regional collection system must be made within 30 days after it becomes available. This office should be notified in writing when this connection has been completed. At that time the disposal facility authorized by this department must be abandoned and/or reclaimed.

JB:mpm

cc: Harry J. Kessner  
Bennett-Carder  
P. O. Box 1324  
Rock Springs, WY

Glenn Sugano

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-152  
MA 14068

Water Main Update Safety Project - Hynds Blvd. Segment  
(Name of Facility)

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

Board of Public Utilities

2100 Pioneer Avenue

Cheyenne, WY 82001

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 84-152. The facility is located in Section 24, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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.

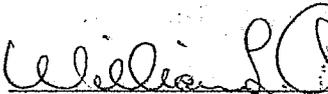
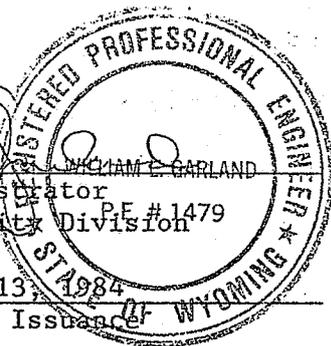
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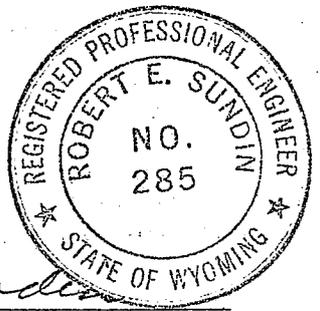
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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 E. GARLAND  
Administrator  
Water Quality Division P.E. #1479  
April 13, 1984  
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: Joseph E. Kub  
Engineering Consultant  
1750 Westland Road  
Cheyenne, WY 82001



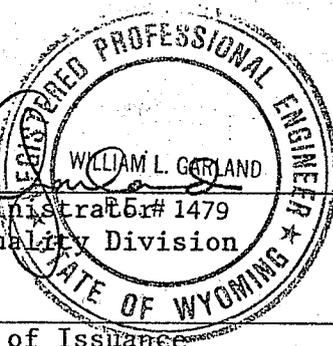
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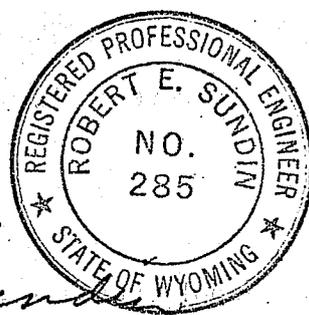
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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*  
WILLIAM L. GARLAND  
Administrative # 1479  
Water Quality Division  
STATE OF WYOMING

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

May 3, 1984

Date of Issuance

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

JH:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

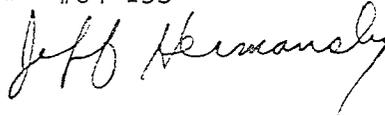
PROJECT: Oregon Basin Gas Plant

ENGINEER: Glenn DeHekker  
P. O. Box 2690  
Cody, WY 82414

OWNER: Marathon Oil Company  
P. O. Box 2690  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #84-153

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: April 18, 1984

**ACTION: Not authorized.**

COMMENTS: We are using Chapter XI of the Water Quality Rules and Regulations for the review of onsite wastewater disposal facilities. For a soil with a percolation rate of 21 minutes per inch, the absorption system loading rate is .45 gallons per square foot per day. Applicable square footage is the trench sidewall below the distribution piping, as well as trench bottom area. So for 320 gallons of wastewater per day, the minimum area is 711 square feet.

Please submit 3 copies of any sheets that you return to me. Feel free to contact me if you have any questions.

JH:dcn

AC



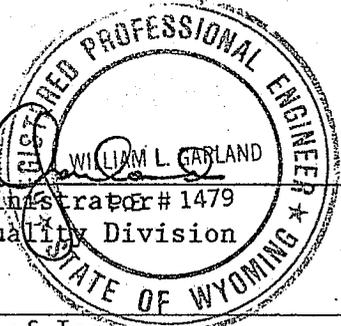
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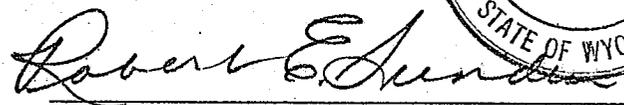
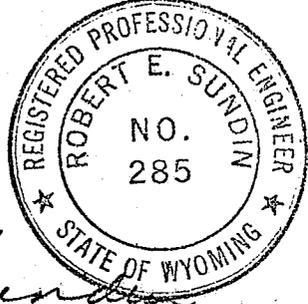
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
  
April 18, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality  


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

\* CONDITION ON PERMIT \*

Since your property is located within the City of Cody's planning area for potential service by the City's wastewater disposal facility, this permit is issued with the condition that the septic tank/leach field is abandoned and connection made to the City's system when collection lines become available to your property.

JH:dcn



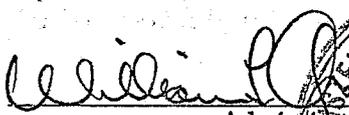
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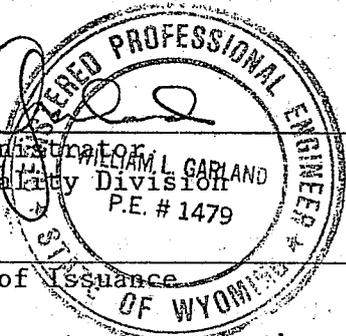
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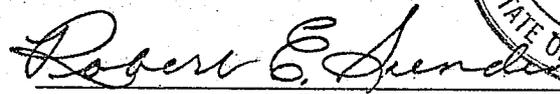
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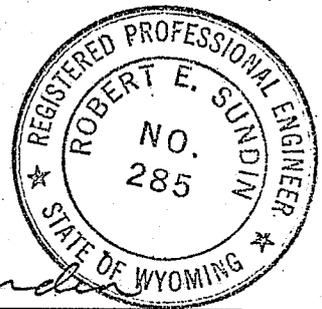
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator,  
Water Quality Division  
WILLIAM L. GARLAND  
P.E. # 1479  
May 3, 1984  
\_\_\_\_\_  
Date of Issuance



  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality



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

\* CONDITION ON PERMIT \*

Since this lot is within the City of Cody's planning area for future sewer service by the City, this permit is issued with the requirement that the septic tank - leach field be abandoned and connection made to the City sewer when it becomes available to the lot.

JH:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Rimrock Tire Convenience Store and Gas Station

ENGINEER: Roger Jacobson  
P. O. Box 1900  
Cody, WY 82414

OWNER: Larry Hickey  
2603 Big Horn Ave.  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #84-155

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: April 18, 1984

ACTION: Not authorized.

COMMENTS: We need to discuss the estimated flow rate proposed for the store/gas station. I'm sure that the owners hope for far more than 20 vehicles per day to be served by the gas station. Furthermore, we must include the flow from the store employees.

I do question a 10 gallon per vehicle flow rate for an in town gas station. This would seem to be a more realistic number for a more remotely located gas station where people tend to use the rest room facilities during their stop.

I would like to suggest that the best way for us to get a handle on potential flow from this facility is to contact the City of Cody to see what the water/sewer usage or bills have been for like facilities. I would suspect that the peak flow comes during the tourist season.

Feel free to contact me if you have any questions.

JH:dcn

ABC



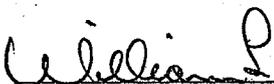
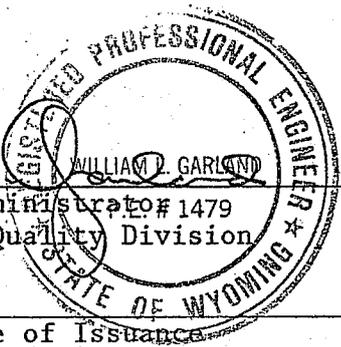
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

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AUTHORIZED BY:

  
  
Administrato# 1479  
Water Quality Division  
April 17, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

EB:dcn

Crook

Norma  
MA 14506



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

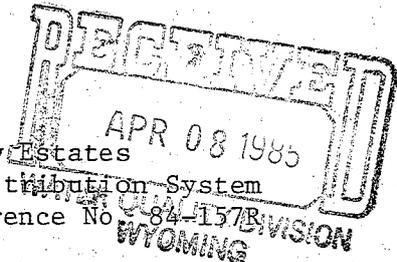
SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

April 5, 1985

Collins Communications, Inc.  
c/o Rod Thornton  
G-50 Garner Lake Route  
Gillette, Wyoming 82729

RE: Lake View Estates  
Water Distribution System  
DEQ Reference No. 84-157R



Dear Mr. Thornton:

Tom Mueller of our office made the initial review of application for a Permit to Construct for the above referenced project. Before resigning last fall, he requested that the two booster pumps in question be installed prior to the plans for this project being approved.

The inspection to verify that the pumps have, in fact, been installed has been completed and the plans are hereby approved. Since the project has already been constructed, a Permit to Construct will not be issued. This letter, however, serves essentially the same purpose.

Please call if you have any questions.

Sincerely,

Rich Ruyle  
District Supervisor

RR:ls

xc: Ralph Goodson, Bearlodge Engineering  
Phyllis Queen, Pine Haven Route, Moorcroft

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-158  
 Ref. No. 83-368  
 MA 14068

Burger King Sanitary Sewer Extension  
 (Name of Facility)

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

Cheyenne Board of Public Utilities

2100 Pioneer Ave.

Cheyenne, WY 82001

to construct, install, or modify a sanitary sewer facility according to the procedures and conditions of the application No. 84-158. The facility is located in Section 5, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

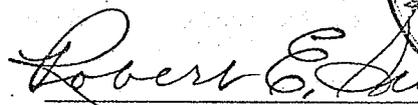
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
April 1984  
Date of Issuance

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

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

cc: Peter Abplanalp  
Intermountain Professional Services, Inc.  
2206 Pioneer Avenue  
Cheyenne, WY 82001

4-18-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-159

MA 14068

Indian Hills Ninth Addition  
(Name of Facility)

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

Door, Ltd.

609 South 2nd Street

Laramie, WY 82070

to construct, install, or modify a public water supply distribution and wastewater collection systems facility according to the procedures and conditions of the application No. 84-159. The facility is located in Section 26, 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.

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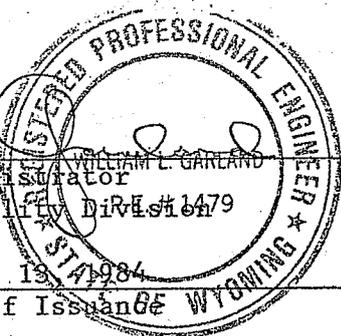
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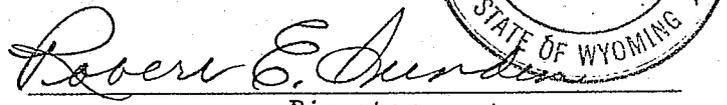
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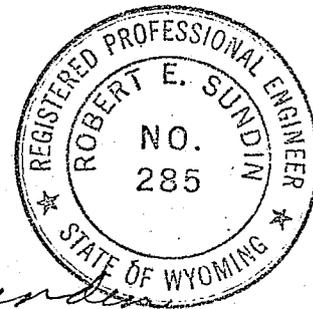
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AUTHORIZED BY:

  
Adminisrator  
Water Quality Division #1479  
April 19, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

cc: Donald Lamb  
Associated Engineers  
609 South 2nd Street  
Laramie, WY 82070

4-13-84  
84-160



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*

*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 13, 1984

Bruce Claybaugh  
Natrona County Health Department  
1200 East 3rd  
Casper, WY 82601-2990

RE: Lord of Lord's Church Septic System

Dear Bruce:

Enclosed is the application for the Lord of Lord's Church septic system. Per the recent delegation agreement of April 9, 1984, this application should now be reviewed by you. Please call if you have any questions.

Sincerely,

Thomas S. Norman  
Water Quality Engineer

TSN/nc

THE STATE



OF WYOMING

4-13-84  
84-160

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 13, 1984

Barry Venn  
Russell Donley & Associates  
240 South Wolcott, Suite 202  
Casper, WY 82601

RE: Lord of Lord's Church Septic System

Dear Mr. Venn:

On April 9, 1984, Natrona County and the Department of Environmental Quality, Water Quality Division, entered into a delegation agreement allowing the county to issue construction permits for small wastewater systems. The Lord of Lord's application has been forwarded to the county for their processing as the system falls under the definition of a small wastewater system. Please contact Bruce Claybaugh for information on your project.

Sincerely,

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

Thomas S. Norman  
Water Quality Engineer

TSN/nc

cc: Bruce Claybaugh  
Natrona County Health Department  
1200 East 3rd  
Casper, WY 82601-2990

7-20-87

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-161R

MA 14068

Red Buttes Environmental Biological Laboratory  
(Name of Facility)

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

University of WY

c/o Department of Zoology & Physiology

University Station, Box 3166

Laramie, WY 82071

to construct, install, or modify a mechanical wastewater treatment facility for a research laboratory according to the procedures and conditions of the application No. 84-161R. The facility is located in Section 21, T14N, 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.

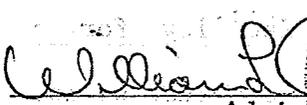
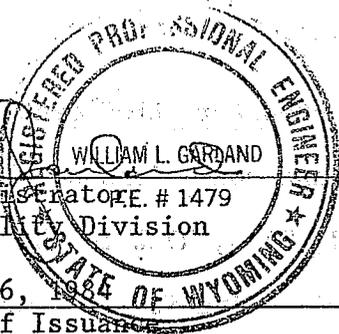
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

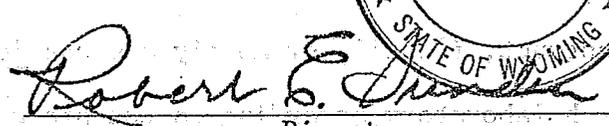
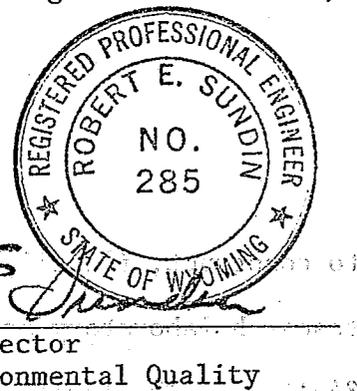
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
  
Administrator, E. # 1479  
Water Quality Division  
July 16, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

cc: Fred B. Crowell  
University of Wyoming  
202 Merica Hall  
Laramie, WY 82071

5-2-84

Review of Plans and Specifications

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

PROJECT: Red Buttes Environmental Biological Laboratory

ARCHITECT OR ENGINEER: Fred B. Crowell, University of WY  
202 Merica Hall, Laramie, WY 82071

APPLICANT: University of WY, Dept. of Zoology & Physiology  
Box 3166 University Station, Laramie, WY 82071

WATER QUALITY DIVISION REFERENCE NUMBER: 84-161

REVIEWING ENGINEER: Thomas S. Norman *TS Norman*

DATE OF REVIEW: April 30, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A Wyoming registered engineer has to sign or seal the plans detailing the waste treatment process.
2. The flow diagrams in Appendix A are not clear as to piping and valving.
3. There are numerous waste streams and solids that are being produced as a result of treating both the raw water and the wastewater. How will the waste streams and solids be treated, handled, and disposed? The liquid wastes are not completely recyclable?
4. The liquid chemical storage containers must have curbs around them to contain leaks.
5. Where and how will the toxic chemicals be stored that will be used in the experiments?
6. The septic system was permitted under permit #81-882R. However, due to structural problems in our archive storage area, we are unable to retrieve that project at this time. I need to verify if that project authorized the disposal of wastes from the chemical laboratories and floor drains. Could you please send the appropriate sections from that project to verify these uses?
7. A diagram of the buildings interior plumbing is necessary to verify that the respective wastes go to the appropriate disposal systems.
8. Has a plan been developed that would outline procedures to follow in case contamination did reach the fish ponds? How would the pond be treated in this situation?



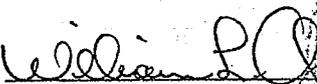
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

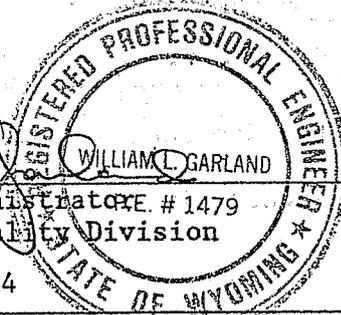
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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.

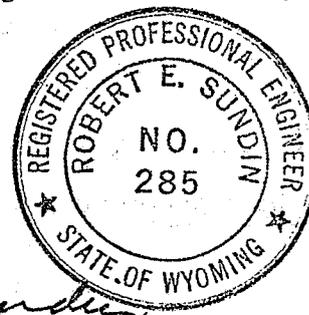
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
May 8, 1984  
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: Dale E. Peterson  
Rocky Mountain Engineering & Surveying  
P. O. Box 805  
Evanston, WY 82930

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: Lyman High School Sewer System

ENGINEER: Rocky Mountain Engineering & Surveying  
P. O. Box 805  
Evanston, WY 82930

OWNER: Uinta County School District No. 6  
P. O. Box 1090  
Lyman, WY 82937

WATER QUALITY DIVISION REFERENCE NUMBER: 84-162

REVIEWING ENGINEER: Jack Bedessem, Jeff Hermansky

DATE OF REVIEW: May 1, 1984

ACTION: Not Authorized.

COMMENTS: The following questions and comments need to be addressed before a "Permit to Construct" can be issued:

1. The design engineer used 20 gpd/student - this is o.k. for school with cafeteria only. According to Water Quality Rules and Regulations, Chapter XI, Part D, if a school has a cafeteria, gym and showers it should be 25 gpd/student for design. Does school have gym and showers?
2. The sewer line from school to MH-1 must be shown. Include materials, slope, profile view and any other necessary specifications.
3. There are a couple of locations on sheet 1 of 2 where the 4 inch forced main is shown as a 3 inch forced main. This needs to be corrected.
4. Chapter 30, Sewage Pumping Stations, of the "Recommended Standards For Sewage Works", must be followed for the design of your lift station. Please address these standards with particular attention to the following;
  - a) What is the diameter of the wet and dry well vaults?
  - b) Show the access to the wet well.
  - c) How are the pumps to be removed without disassembly?
  - d) Where is the ladder in the wet well?
  - e) Please supply complete specifications for the pumps.
  - f) Where is the electrical control panel to be located?
  - g) The electrical equipment needs to be specified.
  - h) How will the wet well be vented to meet the standards?
  - i) The dry well must have a drain to the wet well or to the soil.
  - j) Please show and specify the alarm system that must be provided.

ABC

Review of Plans and Specifications  
Lyman High School Sewer System 84-162  
May 1, 1984  
Page Two

5. The "Wyoming Public Works Standard Specifications" do not specifically address forced sewer mains. Please specify the pipe material and testing procedure for this section of pipe.

Feel free to contact us if you have any questions.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-163RR  
MA 14089

1984 LABARGE SEWAGE LAGOON EXPANSION  
(Name of Facility)

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

Town of LaBarge  
Box 302  
LaBarge, WY 83123

to construct, install, or modify a enlargement of existing lagoon system by construction of two larger aerated cells and modifications to one cell

facility according to the procedures and conditions of the

application No. 84-163RR. The facility is located in Section 7 and 8, T26N, R112W

in the County of Lincoln,

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.

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

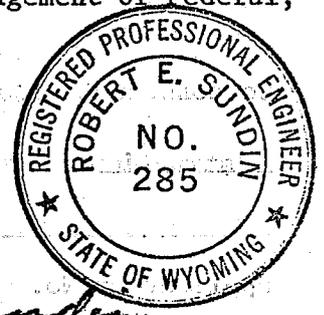
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

*William L. Garland*  
Admin. Director  
Water Quality Division  
August 6, 1984  
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.

JH:dcn

3

MEMORANDUM

TO: Plans #84-163R

FROM: Jeff Hermansky *Jeff*

DATE: July 17, 1984

SUBJECT: Phone Review of LaBarge 1984 Lagoon Expansion

On July 17, 1984, I conducted a phone review with Thomas Dale Crank to discuss a few items regarding the LaBarge 1984 Lagoon Expansion. I asked Tom the following questions:

1. What size is the existing blower? It doesn't appear to be listed on the plans or in the specifications.
2. I said it was O.K. to specify a spare motor for the blower rather than motor and blower.
3. We discussed the need for chlorination if the discharge was directly to Green River rather than to a ditch before entering the Green. Thomas said he would call John Wagner to discuss the options.
4. The specifications for the Lagoon Diffused Aeration System show numbers for both Case 1 and 2 calculations. I said the specs should show one or the other, not both.

JH:dcn

*AC*

Water Quality Division  
Groundwater Section  
Permit Application Review

Norma, I have  
sent these plans  
back to  
Green River.  
5-16-84

Application Number

84-163

Date Submitted For Review

4-13-84

Name and Location of Facility

La Barge 1984 Sewage Lagoon

Expansion: Sec 7+8 T26N R112W

Lincoln County

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

Kate Laudon

Title

Engineer Evaluator

Date

5-8-84

Approved

5/9/84

(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.

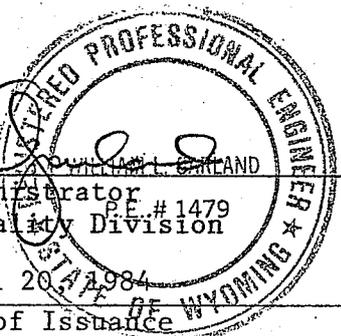
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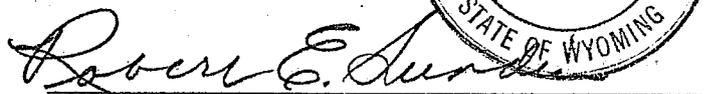
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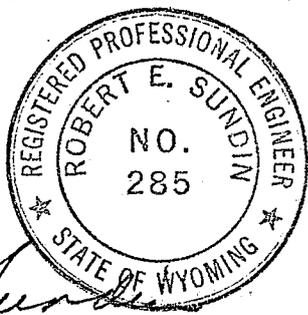
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AUTHORIZED BY:

  
 \_\_\_\_\_  
 Administrator  
 Water Quality Division  
 P.E. # 1479  
 April 20, 1984  
 \_\_\_\_\_  
 Date of Issuance



  
 \_\_\_\_\_  
 Director  
 Dept. of Environmental Quality



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

CONDITIONS

The following conditions exist as part of this permit:

- 1.) The septic system in question will be abandoned and the facilities served by it will hook up to the city sewer line on Highway 14-16 as soon as the line becomes serviceable.
- 2.) If the septic system does show signs of failure, it will be enlarged or other remedial action will be taken.
- 3.) If the existing septic tank has not been pumped out in recent years, it will be pumped prior to serving the new trailer.

xc: Engineering, Inc.  
 45 East Loucks  
 Sheridan, WY 82801



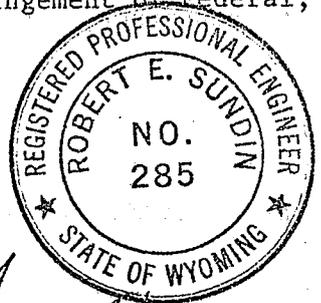
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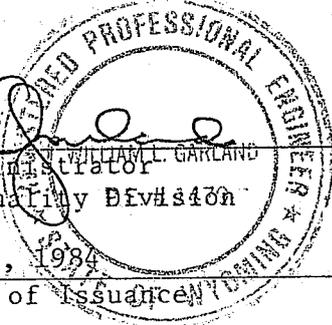
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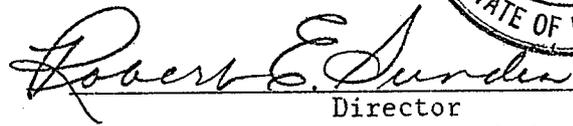
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AUTHORIZED BY:



  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
May 8, 1984  
\_\_\_\_\_  
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM L. GARLAND" and the number "NO. 285".

  
\_\_\_\_\_  
Robert E. Sundin  
Director  
Dept. of Environmental Quality

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

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-166  
 Ref. No. 83-155  
 MA 14068

Valley Vista Subdivision Water Main Extension  
 (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 public water supply distribution system facility according to the procedures and conditions of the application No. 84-166. The facility is located in Section 23, 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.

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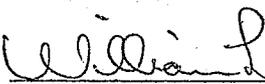
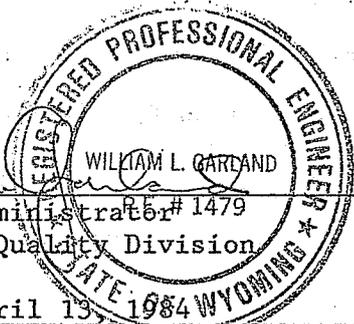
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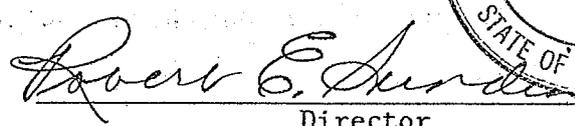
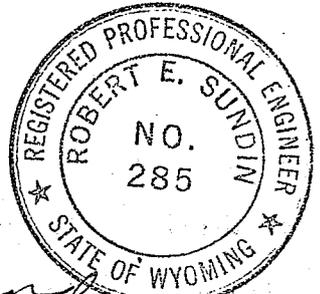
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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.

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AUTHORIZED BY:

  
  
WILLIAM L. GARDAND  
Administrator # 1479  
Water Quality Division  
April 13, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

cc: Peter Abplanalp  
Intermountain Professional Services, Inc.  
2206 Pioneer Avenue.  
Cheyenne, WY 82001



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

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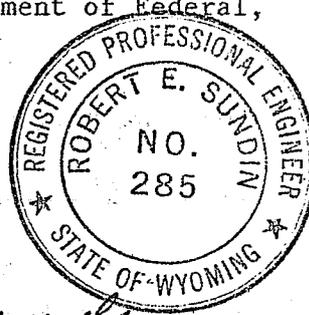
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AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Admin'srator #1473  
Water Quality Division  
STATE OF WYOMING

May 4, 1984

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.

JH:dcn

MEMORANDUM

TO: Plans #84-167  
FROM: Jeff Hermansky  
DATE: April 18, 1984  
SUBJECT: Phone Review

*Jeff*

I conducted a phone review of the Proposed McMahon Septic System with Roy Holm and made the following comment: We must have a letter from the City of Cody stating acceptance of this proposed facility. Roy said it will be no problem to get us the letter since it was the City that suggested using onsite wastewater disposal.

JH:dcn

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-168  
MA 14089

Second Street Reconstruction  
(Name of Facility)

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

City of Casper

200 North David

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. 84-168. The facility is located in Section 11, 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.

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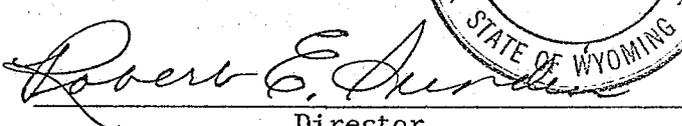
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AUTHORIZED BY:

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

April 16, 1984  
Date of Issuance

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

Director  
Dept. of Environmental Quality

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

cc: John Donmyer  
HNTB  
P.O. Box 3478  
Casper, WY 82602

PERMIT TO CONSTRUCT

5-21-84

- New
- Renewal
- Modified

Permit No. \*84-169R  
MA 14068  
 \*See Condition

BS&W SHOP BUILDING SMALL WASTEWATER FACILITY  
 (Name of Facility)

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

BS&W  
Box 283  
Evansville, Wyoming 82636

to construct, install, or modify a septic tank and evapotranspiration bed

facility according to the procedures and conditions of the  
 application No. 84-169R. The facility is located in Sections 29 and  
30, T.50N., R.71W.,

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

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

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

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

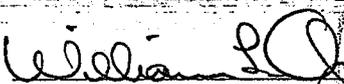
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

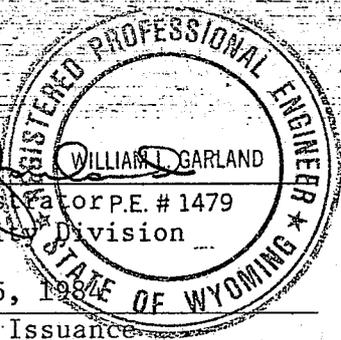
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

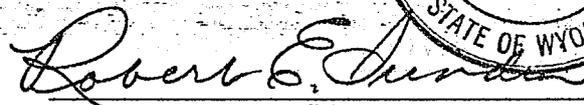
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

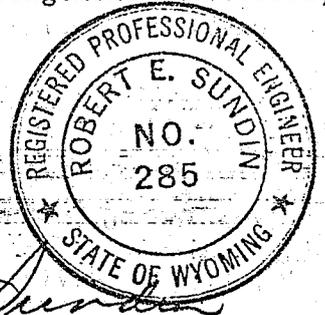
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
 WILLIAM L. GARLAND  
 Administrator P.E. # 1479  
 Water Quality Division  
 May 15, 1984  
 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: Ronald R. Pedde  
Cooper Engineers, Inc.

Bill Flaherty  
Campbell County Engineer

PERMIT TO CONSTRUCT

5-21-84

- New
- Renewal
- Modified

Permit No. 84-170 \*  
MA 14068  
 \*See Conditions

CORDERO MINE KICKEN DRAW RESERVOIR  
 (Name of Facility)

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

Cordero Mining Company  
P.O. Box 1449  
Gillette, Wyoming 82716

to construct, install, or modify a sedimentation reservoir

facility according to the procedures and conditions of the  
application No. 84-170. The facility is located in Sec. 13, T.47N., R.71W.

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

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

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

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.

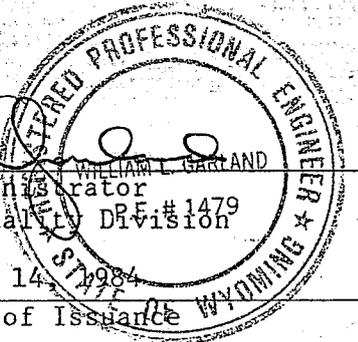
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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.

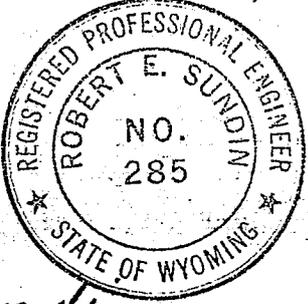
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
P.E. # 1479  
May 14, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality

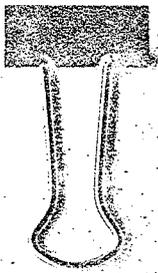


This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITION

Water released from Kicken Draw Reservoir through the decant pipe up to and including the water stored from a 10-year 24-hour storm will be released at such a flow rate so as to not exceed the top level of the V-notch weir, i.e. less than 13.97 cfs.

xc: William C. Maehl  
IntraSearch Engineering, Inc.  
3312 4th Avenue North  
Billings, Montana 59101



Water Quality Division  
Groundwater Section  
Permit Application Review

*Norma -  
Returned  
to Sheridan  
4-18-84*

Application Number 84-170

Date Submitted For Review 4-17-84

Name and Location of Facility CORDERO MINING Co.  
KICKEN DRAW RESERVOIR  
Sec 13 T 47 N R 71 W  
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 J. Leonard*  
Title *Eng. Supervisor*  
Date *4-17-84*

Approved *4/17/84*  
(Date)

*[Signature]*  
(Signed)  
Groundwater Control Supervisor

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-171

MA 14068

Cheyenne's Round Top Water Treatment Plant  
(Name of Facility)

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

Cheyenne Board of Public Utilities

Box 1469

Cheyenne, WY 82001

to construct, install, or modify equipment for the addition of a cationic polymer to the mixing chamber facility according to the procedures and conditions of the application No. 84-171. The facility is located in Round Top Water Treatment Plant, Section 16, 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.

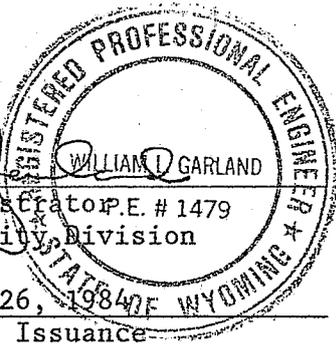
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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.

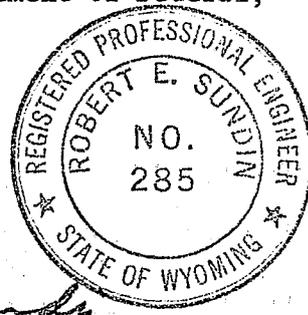
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM D. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
April 26, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

cc: Carroll Aamold  
Cheyenne Board of Public Utilities  
Box 1469  
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-172  
MA 14068

Cheyenne's Happy Jack Water Treatment Plant  
(Name of Facility)

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

Cheyenne Board of Public Utilities

Box 1469

Cheyenne, WY 82001

to construct, install, or modify device to reduce short circuiting in the contact basin facility according to the procedures and conditions of the application No. 84-172. The facility is located in Happy Jack Water Treatment Plant, Section 31, 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.

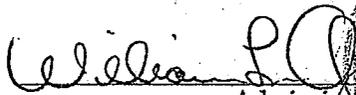
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

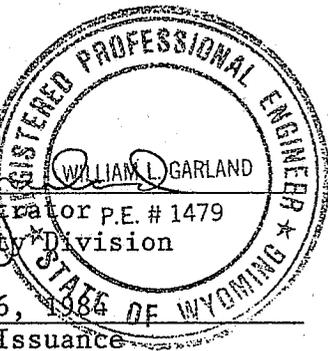
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

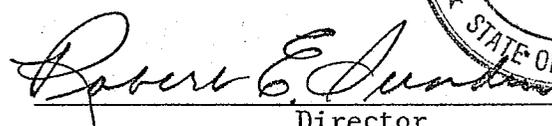
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

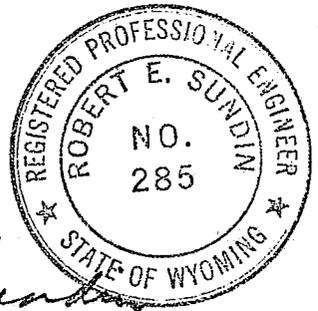
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
ADMINISTRATOR P.E. # 1479  
Water Quality Division  
April 26, 1984  
Date of Issuance



  
DIRECTOR  
Dept. of Environmental Quality



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

cc: Carroll Aamold  
Cheyenne Board of Public Utilities  
Box 1469  
Cheyenne, WY 82001

3-8-89

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-173  
MA 14068

Cheyenne's Happy Jack Water Treatment Plant  
(Name of Facility)

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

Cheyenne Board of Public Utilities

Box 1469

Cheyenne, WY 82001

to construct, install, or modify equipment for the addition of a liquid polymer to raw water facility according to the procedures and conditions of the application No. 84-173. The facility is located in Happy Jack Water Treatment Plant, Section 31, 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.

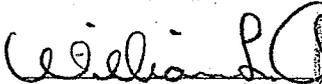
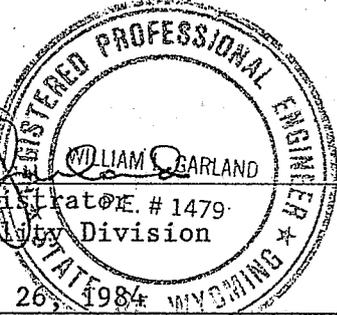
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

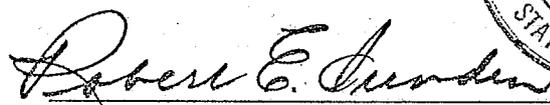
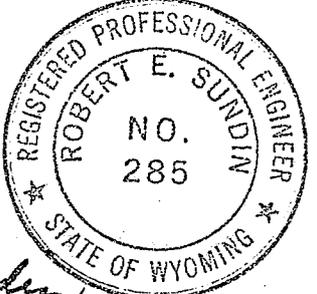
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
  
Administrator # 1479  
Water Quality Division  

---

April 26, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

cc: Carroll Aamold  
Cheyenne Board of Public Utilities  
Box 1469  
Cheyenne, WY 82001

5-8-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-174  
MA 14068

Cheyenne's Happy Jack Water Treatment Plant  
(Name of Facility)

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

Cheyenne Board of Public Utilities

Box 1469

Cheyenne, WY 82001

to construct, install, or modify chemical feed lines for the ability to chlorinate the filter effluent facility according to the procedures and conditions of the application No. 84-174. The facility is located in Happy Jack Water Treatment Plant, Section 31, 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.

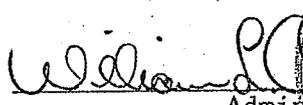
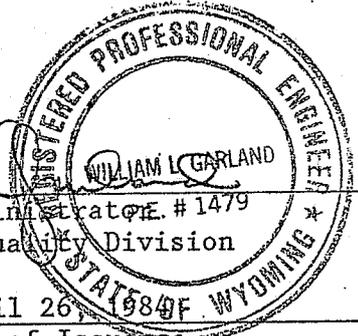
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

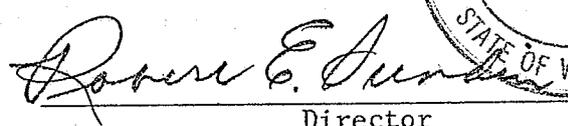
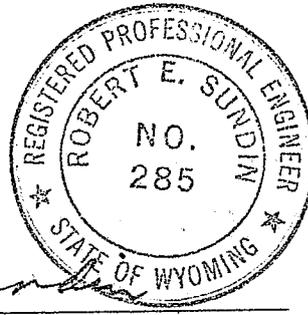
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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. GARLAND  
Administrator # 1479  
Water Quality Division  
April 26, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

cc: Carroll Aamold  
Cheyenne Board of Public Utilities  
Box 1469  
Cheyenne, WY 82001



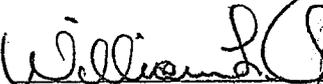
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

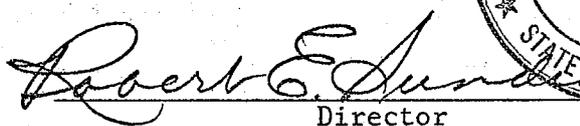
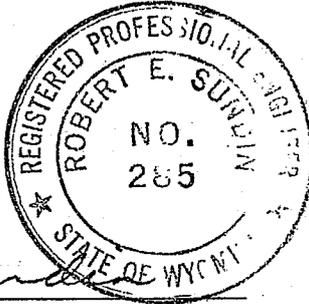
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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  
Administrator  
Water Quality Division  
P.E. #1479  
  
April 19, 1984  
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.

EB:dcn

5-11-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-176  
MA 14068

Capitol Manor Townhouse 5  
(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 and potable water service facility according to the procedures and conditions of the application No. 84-176. 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.

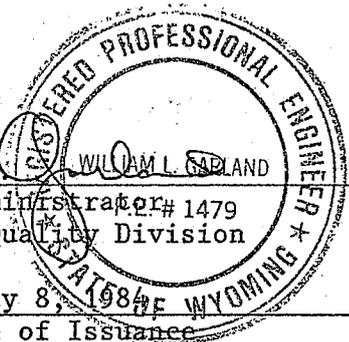
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

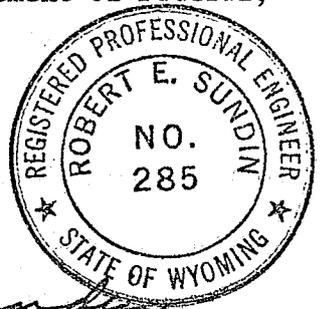
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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:

  
*William L. Garland*  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
May 8, 1984  
\_\_\_\_\_  
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: James D. Voeller  
AVI p.c.  
1700 Westland Road  
Cheyenne, WY 82001

5-2-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-178  
Ref. No. 80-311RRRR

Glendo Wastewater Facilities  
(Name of Facility)

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

Town of Glendo

P.O. Box 396

Glendo, WY 82213

to construct, install, or modify a municipal evaporative sewage lagoon (modify size of cell No. 1 and add additional bentonite) facility according to the procedures and conditions of the application No. 84-178. The facility is located in Section 16, T29N, R68W in the County of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

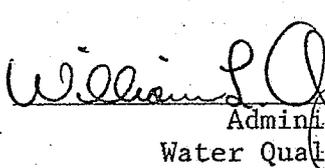
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

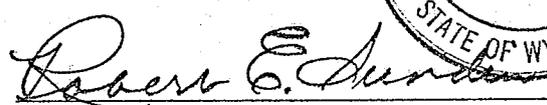
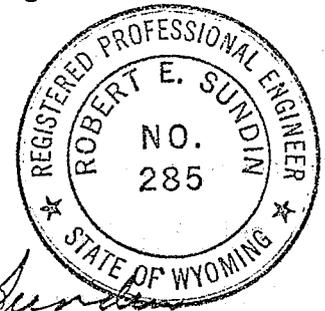
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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. BARLAND  
Administrator  
Water Quality Division  
PE # 1479  
April 26, 1984  
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: Bradley E. Bauer  
MSM/SP Group  
350 West "A" Street  
Casper, WY 82601

THE STATE



OF WYOMING

84-179RR  
ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

December 13, 1985

Mr. Robert A. Rothermel  
The Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, Wyoming 82716

Dear Bob:

I have reviewed your submittal of December 9, 1985 for the Antelope Valley Subdivision Well No. 3 Pump and Pumphouse. The information adequately addresses the items listed in my previous review of June 13, 1984, and the system is hereby approved under Permit to Construct Number 84-179RR.

Because the facility has already been built, an actual Permit cannot be issued. However, this letter of approval serves essentially the same purpose. You should keep it on file for future reference.

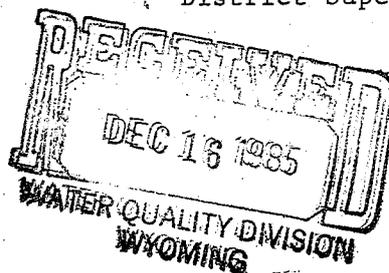
If you have any questions, do not hesitate to call me.

Sincerely,

A handwritten signature in cursive script that reads "Rich Ruyle".

Rich Ruyle  
District Supervisor

RR:ls  
Enclosure  
xc: Norma Coulson



THE STATE



OF WYOMING



NORMA

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

November 8, 1985

Mr. Robert A. Rothermel  
Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, Wyoming 82716

Dear Mr. Rothermel:

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: Antelope Valley Subdivision,  
Well No. 3 Pump and Pumphouse

DEQ/WQD Reference Number: 84-179

DEQ/WQD Review Engineer: Rich Ruyle

Date of DEQ/WQD Review: June 13, 1984

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:

Mr. Robert A. Rothermel

November 8, 1985

Page Two

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

Sincerely,



Rich Ruyle  
District Supervisor

RR:ls

*Norma*

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

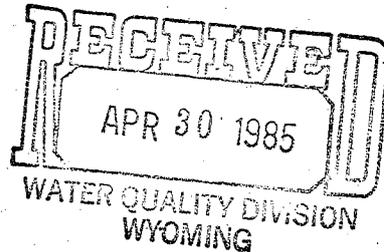
2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

April 29, 1985

Mr. Robert A. Rothermel  
Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, Wyoming 82716



Dear Mr. Rothermel:

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: Antelope Valley Subdivision  
Well No. 3 Pump and Pumphouse

DEQ/WQD Reference Number: 84-179

Engineering Consultants: Alliance of Architects and Engineers

DEQ/WQD Review Engineer: Rich Ruyle

Date of DEQ/WQD Review: June 13, 1984

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:

Mr. Robert A. Rothermel  
April 29, 1985  
Page Two

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

Sincerely,



Rich Ruyle  
District Supervisor

RR:ls

Attachments

xc: Norma Coulson



*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 7, 1985

Mr. Robert A. Rothermel  
Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, Wyoming 82716



Dear Mr. Rothermel:

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:            | Antelope Valley Subdivision<br>Well No. 3 Pump and Pumphouse |
| DEQ/WQD Reference Number: | 84-179   |
| Engineering Consultants:  | Alliance of Architects and Engineers                         |
| DEQ/WQD Review Engineer:  | Rich Ruyle   |
| Date of DEQ/WQD Review:   | June 13, 1984.   |

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:

*Department of Environmental Quality**Water Quality Division*2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 7, 1985

Mr. Robert A. Rothermel  
Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, Wyoming 82716

Dear Mr. Rothermel:

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: Antelope Valley Subdivision  
Well No. 3 Pump and Pumphouse

DEQ/WQD Reference Number: 84-179

Engineering Consultants: Alliance of Architects and Engineers

DEQ/WQD Review Engineer: Rich Ruyle

Date of DEQ/WQD Review: June 13, 1984

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:

Mr. Robert A. Rothermel  
January 7, 1985  
Page Two

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

Sincerely,



Rich Ruyle  
District Supervisor

RR:ls

Attachment

xc: Norma Coulson

*Formal*

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Antelope Valley Subdivision  
Well No. 3 Pump and Pumphouse

ARCHITECT OR ENGINEER: Robert A. Rothermel  
Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, Wyoming 82716

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-179

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: June 13, 1984

ACTION: Not Authorized

COMMENTS:

- 1.) A respirator should be provided in the pumphouse for use during a chlorine gas leak emergency and for use by the operator while changing chlorine tanks.
- 2.) The exhaust fan in the chlorine room should provide one complete air change every two minutes. A 280 cfm fan is sufficient.
- 3.) The exhaust fan should take suction from the chlorine room as close to the floor as possible, preferably within 18 inches of the floor.
- 4.) Results of the yield and drawdown tests and a water analysis for the well should be forwarded to this office when they are available.

THE STATE OF WYOMING



84-180  
ED HERSCHLER  
GOVERNOR

FEB 24 1985  
WYOMING DIVISION  
*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

February 21, 1985

Mr. Mike McDill  
McDill Engineering  
400 West Boxelder Road  
Gillette, Wyoming 82716

Dear Mike:

Thank you for your letter of February 13, 1985, regarding the annexation of Westridge Original and Westridge One Subdivision into the City of Gillette. Since there is no longer a need for a Permit to Construct from this Division for their water line modifications, we have withdrawn the application from our files, and enclosed are your submittals.

Sincerely,

*Rich Ruyle*  
Rich Ruyle *by LS*  
District Supervisor

RR:ls

Enclosures

xc: Norma Coulson, WQD Cheyenne

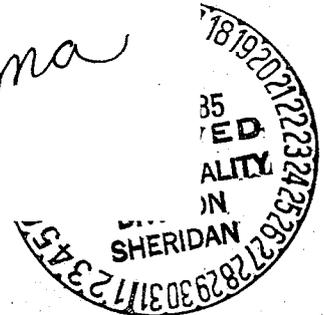


# City of Gillette

P. O. Box 3003 • Gillette.  
Phone (307) 686

84-180

*Norma*



DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

February 13, 1985

*- Withdraw Westridge App.*

Department of Environmental Quality  
Water & Air Quality Division  
2161 Coffeen Avenue, Suite 301  
Sheridan, Wyoming 82801  
ATTN: Mr. Tom Mueller  
District Supervisor

Dear Tom:

On November 19, 1984, Westridge Original and Westridge One Subdivision were annexed into the City of Gillette. Due to this, the City of Gillette will be reviewing the Application For Permit to Construct for the Westridge Original and Westridge One Improvement and Service District.

If you have any problems or questions in regards to this, please feel free to contact me.

Sincerely yours,

*Susanna R. Struble*

Susanna R. Struble  
Engineer I

SRS/klg

cc: McDill Engineering



# *Department of Environmental Quality*

## *Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 7, 1985

Mr. Mike McDill  
McDill Engineering  
400 West Boxelder Road  
Gillette, Wyoming 82716

Dear Mike:

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:            | Westridge Improvement and Service District<br>Water System Improvements |
| DEQ/WQD Reference Number: | 84-180  |
| Engineering Consultant:   | McDill Engineering  |
| DEQ/WQD Review Engineer:  | Tom Mueller   |
| Date of DEQ/WQD Review:   | May 7, 1984 Review and<br>July 16, 1984 Letter                          |

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:

Mr. Mike McDill  
January 7, 1985  
Page Two

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 receives information concerning the status of this project within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



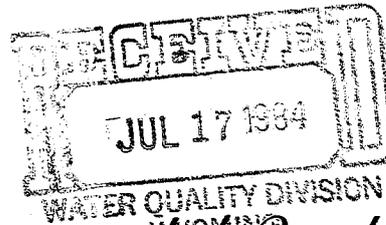
Rich Ruyle  
District Supervisor

RR:ls

Enclosures

xc: Norma Coulson

THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

July 16, 1984

Mr. Mike McDill  
McDill Engineering  
400 West Boxelder Road  
Gillette, Wyoming 82716

Dear Mike:

I received on June 7, 1984, from Jeff Smith, Gillette City Engineer, a letter which outlined the City's position on provision of water to the Westridge Original and Westridge One Improvement and Service District. This information does not conform to what is shown on the plans which accompany the Application for Permit to Construct for the Westridge Water System Improvements (Reference Number 84-180). Since that time I have received no additional information from either the City or the District.

I am writing at this time to indicate that until this matter is resolved, and the other items in my Review of May 7, 1984, are addressed, no further action will be taken on the Application.

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

Yours truly,

A handwritten signature in cursive that reads "Tom Mueller".

Tom Mueller  
District Supervisor

TM:ls

xc: Norma Coulson, DEQ/WQD Cheyenne  
Jeff Smith, Gillette City Engineer

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Westridge Improvement and Service District  
Water System Improvements

ARCHITECT OR ENGINEER: McDill Engineering  
400 West Boxelder Road  
Gillette, Wyoming 82716

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-180

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: May 7, 1984

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

1. An Engineering Report should be prepared for this project, describing particularly the improvements in the Pump Pit area and how these new facilities will operate independently and/or in conjunction with the City of Gillette facilities.
2. A letter from the City of Gillette must be received, indicating that the City will provide water service to this area.
3. City of Gillette specifications may be used for this project, provided that the City indicates they will conduct inspections and make approvals as outlined in those specifications.
4. What are the maximum and minimum water pressures anticipated when this system is connected to the City?



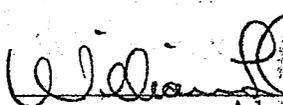
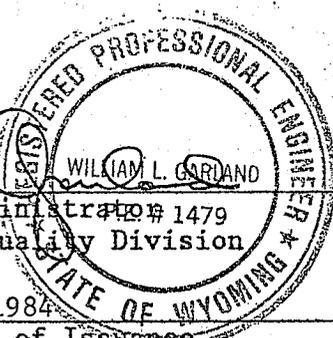
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

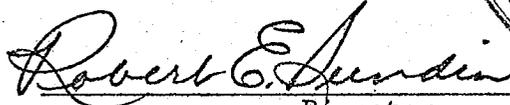
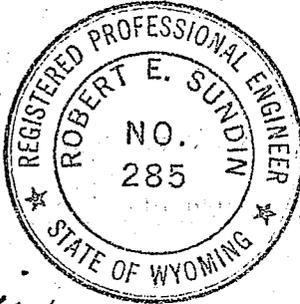
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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. GARDANO  
Administrator # 1479  
Water Quality Division  
STATE OF WYOMING  
May 7, 1984  
Date of Issuance

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

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

JB:mpm

cc: Robert C. Hartley  
URS Company  
139 West 2nd, Suite 2C  
Casper, WY 82601



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.

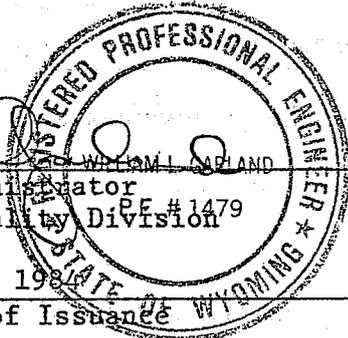
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

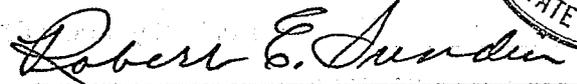
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

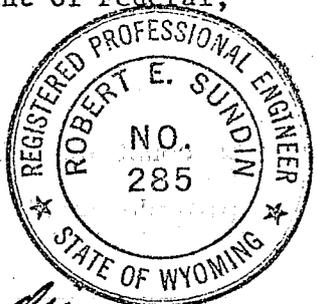
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Adminisrator  
Water Quality Division  
PE #1479  
June 15, 1988  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

JH/JB:mpm

cc: C. Ronald Johnson  
P. O. Box 300  
Lyman, WY 82937

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: Lyman-Sewer Cross Connect, High School Waterline Phase II,  
County Road 239 Waterline.

ENGINEER: C. Ronald Johnson, P.E.  
Town of Lyman  
P. O. Box 300  
Lyman, WY 82937

OWNER: Town of Lyman  
ATTN: Mayor Larry Wisenbacker  
P. O. Box 300  
Lyman, WY 82937

WATER QUALITY DIVISION REFERENCE NUMBER: 84-182

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: May 7, 1984

ACTION: Not Authorized.

COMMENTS: An initial review of your plans and specifications has been completed. The following items need to be addressed and/or resolved.

1. Three complete sets of plans and specifications need to be submitted.
2. The enclosed application form needs to be completed and submitted.
3. The plans and specifications need to be signed by the engineer.
4. Address whether the PVC 1120 Class 200 (SDR21) pipe conforms with AWWA C900 or ASTM D2241-80.
5. Sheet 6 of 7. A hydrant or blow off for flushing is needed at sta 74 + 24.
6. "Recommended Standards For Water Works" recommends that hydrants be provided at each street intersection and at intermediate points between intersections (350 - 600 feet).

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

2-7-85



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 7, 1985

Dean Vanzant  
P.O. Box 10241  
Cheyenne, WY 82003

Dear Mr. Vanzant:

On January 11, 1985, a status letter was sent to you concerning a permit to construct, reference number 84-183, facility name Dean Vanzant Residences. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

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

LCF/nc

cc: Duane Houchin, 1801 "W" Hill Road, Laramie, WY 82070  
Gary Hickman, Laramie Co. Environmental Health, 1700 Snyder Ave., Cheyenne, WY 82001

1-14-85



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 11, 1985

Dean Vanzant  
P.O. Box 10241  
Cheyenne, WY 82003

Dear Mr. Vanzant:

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:              | Dean Vanzant Residences |
| DEQ/WQD Reference Number:   | 84-183                  |
| Engineering Consultant:     | Duane Houchin           |
| DEQ/WQD Reviewing Engineer: | Thomas S. Norman        |
| Date of DEQ/WQD Review:     | April 30, 1984          |

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

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

The application will be resubmitted within 30 days.

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

Other remarks \_\_\_\_\_

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

Sincerely,

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

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

cc: Duane Houchin  
1801 "W" Hill Road  
Laramie, WY 82070

5-1-84

Review of Plans and Specifications

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

PROJECT: Dean Vanzant Residences, Laramie Co.

ARCHITECT OR ENGINEER: Duane Houchin  
1801 "W" Hill Road, Laramie, WY 82070

APPLICANT: Mr. Dean Vanzant  
P.O. Box 10241, Cheyenne, WY 82003

WATER QUALITY DIVISION REFERENCE NUMBER: 84-183

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

DATE OF REVIEW: April 30, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The septic is undersized. The minimum tank size for six bedrooms is a 1500 gallon tank.
2. The drain field is undersized. The minimum absorption area is 2045 square feet for 6 bedrooms with a soil percolation rate of 23 min/inch. The existing system has only 1530 square feet.
3. Information was not provided on the depth to bedrock or to seasonal high groundwater level.
4. The location of neighboring wells was not shown.
5. The sewer line must be 4 inch going from the trailer to the septic tank.



THE STATE OF WYOMING

MA 14068

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

September 5, 1984

Mr. Scott M. Raymond  
Thunder Basin Coal Company  
P.O. Box 406  
Wright, Wyoming 82732

RE: WQD Permit No. 84-184RR

Dear Scott:

I have completed a review of Black Thunder Mine's extension of the South Pit dewatering line. The plans and accompanying information for the line, as submitted to us, have been approved. The use of BT Pit 1 M 2 as a treatment facility for water from the South Pit has also been approved. Since construction of the line has been partially completed, a Permit to Construct cannot be issued. This letter of approval, however, serves essentially the same purpose. Completion of the pipeline installation may proceed.

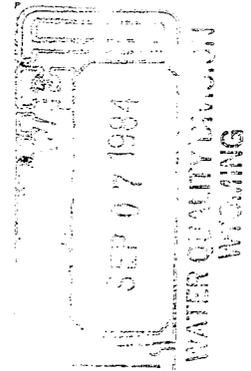
It is understood that the line will be buried to prevent freezing. It is also understood that a flocculation system has been installed in the South Pit and that it will be utilized, if necessary, to meet effluent requirements.

If you have any questions, please call me.

Sincerely,

Rich Ruyle  
Environmental Engineer

RR:ls



*Norma*

REVIEW OF PLANS AND SPECIFICATIONS

RECEIVED  
AUG 16 1984  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

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

Black Thunder Mine As-Built Extension  
of South Pit Dewatering Line

ARCHITECT OR ENGINEER: Mary A. Bliszc  
Thunder Basin Coal Company  
P.O. Box 546  
Wright, Wyoming 82732

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-184R

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: August 3, 1984

ACTION: Not Authorized

COMMENTS:

- 1.) The plans for the pipeline have been signed by a P.E. as requested in my last review, but we still have not received information regarding possible freezing in the pipe.
- 2.) It is evident from George Larson's submittal of April 18, 1984, that the predicted TSS concentration in the mine water effluent from 16 SR-12 and BT Pit 1 M-2 is greater than the NPDES permit daily average limit of 35 mg/l. This is a moot point if a flocculant is in fact being used in the mine water. Please include the status of your plans for flocculation in your next submittal.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Black Thunder Mine As-Built Extension  
of South Pit Dewatering Line

ARCHITECT OR ENGINEER: Chase Caldwell  
Thunder Basin Coal Company  
P.O. Box 406  
Wright, Wyoming 82732

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-184

REVIEWING ENGINEER: Rich Ruyle *TRM for*

DATE OF REVIEW: May 25, 1984

ACTION: Not Authorized for Construction

COMMENTS:

- 1.) It has occurred to me that water in the transfer pipes will probably freeze during cold weather unless the pipes are completely drained by gravity. Since there appears to be some swales or low spots in the pipe, complete drainage seems unlikely. Please address this problem.
- 2.) Our regulations require that your plans be signed by a P.E. registered in Wyoming. I am returning them for this purpose.

5-8-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-185  
MA. 14068

Rob Roy Recreation Facilities  
(Name of Facility)

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

Herman Noe

Cheyenne Board of Public Utilities

P.O. Box 1469

Cheyenne, WY 82001

to construct, install, or modify a wastewater collection and holding tank facility according to the procedures and conditions of the application No. 84-185. The facility is located in Section 3, T14N, R79W 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.

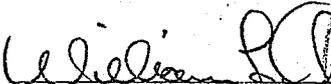
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

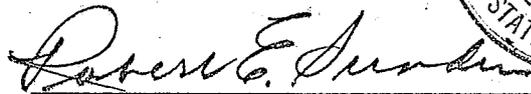
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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:

  
REGISTERED PROFESSIONAL ENGINEER  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
STATE OF WYOMING  
April 27, 1984  
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.

cc: Maurice E. Block  
Banner Associates, Inc.  
P.O. Box 550  
Laramie, WY 82070

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 3, 1984

Herman Noe, Director  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne, WY 82001

RE: Rob Roy Recreation Facilities, Ref. No. 84-185

Dear Mr. Noe:

Enclosed is the permit to construct for the wastewater facilities at the Rob Roy Recreation Facilities. The water system does not require a permit from DEQ as it does not qualify as a public water supply according to the Environmental Quality Act. However, this system may be considered a public water supply under EPA definition and they should be contacted for their specific requirements (303-837-2731).

Sincerely,

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

Thomas S. Norman  
Water Quality Engineer

TSN/n

cc: Maurice Block, Banner Assoc., P.O. Box 550, Laramie, WY 82070  
Mark Alston, EPA, 1860 Lincoln St., Denver, CO 80295



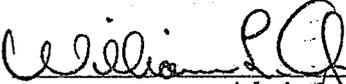
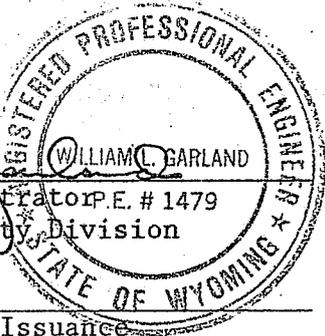
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

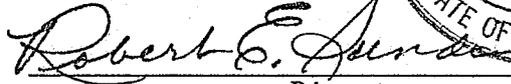
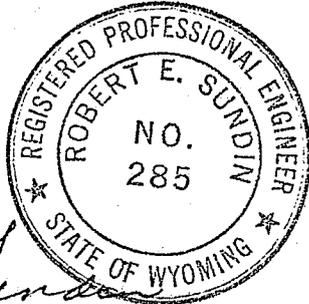
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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  
Administrator P.E. # 1479  
Water Quality Division  


  
Director  
Dept. of Environmental Quality  


April 23, 1984  
Date of Issuance

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

EB:dcn

8-3-89

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-187R

MA 14068

Saratoga Library  
(Name of Facility)

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

Board of County Commissioners of Carbon County

Carbon County Courthouse

Rawlins, WY 82520

to construct, install, or modify a public water supply distribution and wastewater collection systems facility according to the procedures and conditions of the application No. 84-187R. The facility is located in Lots 1-4, Block 3, Valley View Addition, Saratoga, WY, Section 11, T17N, R84W 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.

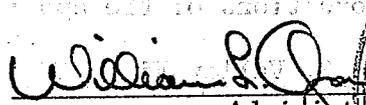
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

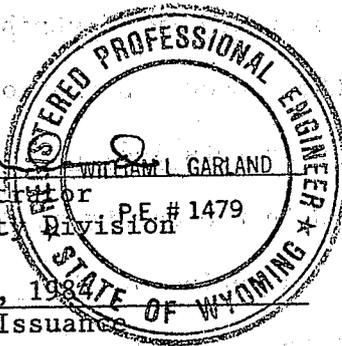
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

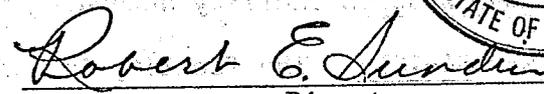
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

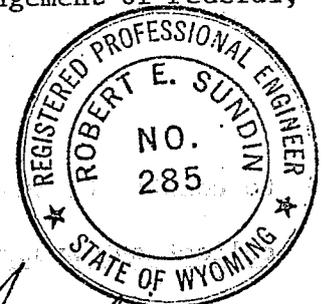
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
P.E. # 1479  
August 1, 1984  
Date of Issuance



  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality



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

cc: Ronald Nelson  
Nelson, Melius and Associates  
100 West B Street  
Casper, WY 82601

5-11-84

Review of Plans and Specifications

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

PROJECT: Saratoga Library, Carbon Co.

ARCHITECT OR ENGINEER: Ronald Nelson, Nelson, Melius & Associates  
100 West B Street, Casper, WY 82601

APPLICANT: Board of County Commissioners  
Carbon County Courthouse, Rawlins, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 84-187

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

DATE OF REVIEW: May 9, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. What material and construction specifications will be used for this proposed construction? If Wyoming Public Works Standards are to be used, place a note on the drawing. If City of Saratoga specifications are to be used, please send three copies for our review and authorization.
2. Please provide two more copies of the signed or sealed engineering drawings.
3. What is the slope of the 6 inch sewer line extension? Provide a profile drawing.

7-20-89

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-188RR

NOTE CONDITIONS ATTACHED  
TO THIS PERMIT. MA 14068

Gillette - Campbell County Airport  
Wastewater Treatment Facility  
\_\_\_\_\_  
(Name of Facility)

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

Campbell County Airport Board  
#7 Airport Road, Rawhide Route  
Gillette, Wyoming 82716

to construct, install, or modify a sewage collection system, lift station, and  
3-cell lagoon treatment

\_\_\_\_\_ facility according to the procedures and conditions of the  
application No. 84-188RR. The facility is located in Section 32, T.51N., R.72W.

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

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

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

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

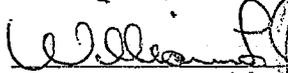
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

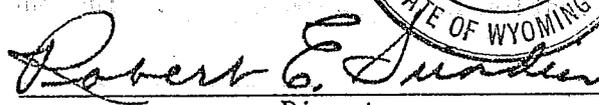
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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 L. GARLAND  
Administrative # 1479  
Water Quality Division  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
July 10, 1984  
Date of Issuance

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

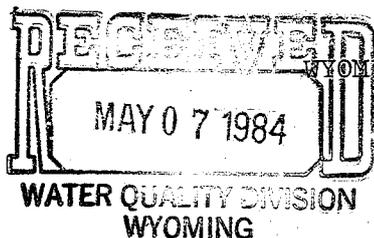
This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS

1. The permittee shall assure that all lagoon embankment fills and the lagoon bentonite liner construction are regularly inspected by a qualified engineer or soils scientist; that a report is made summarizing such inspections; and that said report is forwarded to the Sheridan district office of the Water Quality Division upon completion of the construction.
2. The lagoons shall be filled with water and/or wastewater as soon as possible upon completion of construction.

xc: Banner Associates, Inc.  
P.O. Box 550  
Laramie, WY 82070

REVIEW OF PLANS AND SPECIFICATIONS



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

PROJECT: Gillette - Campbell County Airport  
Sewage Collection and Treatment System

ARCHITECT OR ENGINEER: Jim Cavalli  
Banner Associates, Inc.  
P.O. Box 550  
Laramie, Wyoming 82070

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-188

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: May 4, 1984

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

1. The application does not demonstrate that groundwaters in the area will not be harmed. In particular:
  - No attempt has apparently been made to sample, analyze or determine the classification of the groundwater immediately below the lagoon site.
  - No information is presented regarding anticipated rate of seepage from the lagoons either with or without the bentonite application described in the specifications.
  - Sec. 2.6 on Page 2A-5 of the specifications does not provide sufficient assurance that the lagoon bottoms will be properly sealed. Some objective basis must be included, in the specifications or elsewhere, for determining what material must be removed and what material constitutes suitable replacement.

Unless a thorough demonstration of the adequacy of the groundwater protection measures described in the application can be made, the lagoon must be lined with either a) three (3) feet of material with a compacted in-place permeability of  $1.0 \times 10^{-7}$  seconds or less, or b) a synthetic membrane, complete with leak detection system.

ABC

Gillette-Campbell County Airport  
Sewage Collection and Treatment System  
84-188  
May 4, 1984  
Page Two

2. It is very strongly recommended that multi-level drawoffs be provided for Cell 3, and preferably for Cell 2 also. A single drawoff at mid-depth does not provide adequate operational flexibility. It is also recommended that the Cell 1 outlet be at the two foot depth, rather than one foot, to reduce solids carryover.
3. Paragraphs 2.10 and 2.19 in Section 2C appear to conflict with the remainder of the plans and specifications; i.e., there is no air bubbler system specified or shown, and the only high level alarm circuit appears to operate concurrently with the backup sewage pump.
4. Referring to Paragraph 2.21, Section 2C, what dimension on the debris basket is described by the "1-1/2 inch" notation?



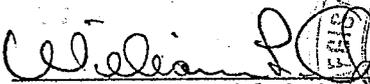
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

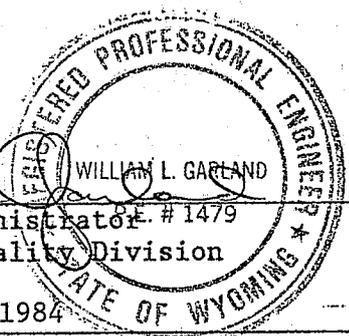
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

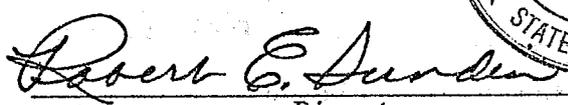
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 # 1479  
Water Quality Division  
May 17, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

JB/JH:mpm

cc: James V. Olson  
Eckhoff, Watson & Preator  
1798 S. West Temple  
Salt Lake City, UT 84115

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

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

( ) New

Permit Number:

(X ) Modified (Conversion of Conditions of  
Permit to Construct #81-27RRRR)

GPC 84-190  
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),

Teton Village Water & Sewer District  
c/o Victor H. Kaunitz  
P.O. Box 581  
Teton Village, WY 83025

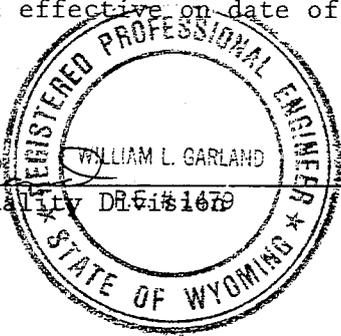
is authorized to operate

recharge and monitor well systems associated with the operation of the Teton Village Wastewater Treatment and Disposal Facility in Section 24, T42N, R117W, Teton County

according to procedures and conditions of permit to construct 81-27RRRR, the application GPC 84-190 and requirements and other conditions of this permit and attachments.

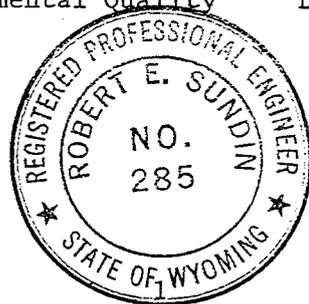
This permit shall become effective on date of issuance.

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



*November 29, 1984*  
Date

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



*Nov. 29, 1984*  
Date

A. Discharge (Injection) Zone and Area of Review

A gravity flow recharge well system into the alluvial materials 16-42 feet below the ground surface is authorized as a miscellaneous discharge to groundwaters of the State. The three recharge wells authorized by this permit are wells RC-1, RC-2 and RC-3 in the SE1/4 SW1/4 Section 24, T42N, R117W. The associated monitoring system includes monitor wells identified elsewhere in this permit, in the NE1/4 NW1/4 and NW1/4 NE1/4 Section 25, T42N, R117W and adjacent areas. The area of review, at a minimum, includes the overall area encompassing all recharge and monitor wells; each area having a recharge well as its center and a radius of one-quarter mile is included within the overall area of review.

This permit does not authorize the discharge of wastewater effluent into any surface water or to the surface.

B. Groundwater Classification

Groundwater in the recharge/discharge zone is Class I: The groundwater is to be protected for its existing and potential uses, even though background water quality indicates variations in certain parameters above Class I standards. Any discharge into a Class I Groundwater of the State shall not result in variations in the range of any parameter, or concentrations or constituents in excess of the standards (Water Quality Rules and Regulations, Chapter VIII) at any place or places of withdrawal or natural flow to the surface. A discharge which results in concentrations in excess of standards shall be permitted if post-discharge water quality can be returned to water quality standards or better.

C. Authorized Operations

The permittee is authorized to discharge, by gravity flow, tertiary wastewater effluent into the subsurface alluvial material through recharge wells RC-1, RC-2 and RC-3, as described in submittals to the Water Quality Division (permit to construct #81-27RRRR). The wastewater treatment plant services Teton Village proper, comprised of private homes, businesses, and condominiums.

The design maximum daily flow to the recharge system is 0.5 million gallons per day (mgd). The maximum discharge rate shall not exceed a peak hourly rate of 0.83 mgd.

No more than one recharge well shall be used at one time without prior written approval of the Administrator. Effluent flow shall be changed monthly to a different recharge well.

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:

Nine groundwater wells surrounding the wastewater treatment recharge system are to be monitored. Monitoring includes measuring water levels and collecting samples for analyses. Sampling and reporting frequency for wells as identified:

| <u>Monthly</u> | <u>March, June<br/>and September</u> | <u>December</u> |
|----------------|--------------------------------------|-----------------|
| OH-13          | OH-13                                | OH-13           |
| OH-15          | OH-15                                | OH-15           |
| OH-18          | OH-18                                | OH-18           |
| OH-19          | OH-19                                | OH-19           |
| OH-20          | OH-20                                | OH-20           |
|                | OH-14                                | OH-14           |
|                | OH-3*                                | OH-10           |
|                |                                      | OH-11A          |
|                |                                      | OH-3*           |

\*OH-3 or another acceptable background (upgradient) monitor well. An acceptable alternate upgradient well shall be indentified by the Administrator in a letter to the permittee. Such letter shall become part of this permit by reference. At least two samples/year shall be collected from the upgradient well, even if in same quarter, if quarterly samples cannot be obtained.

Parameters (measurements in milligrams per liter (mg/l) unless otherwise noted):

| <u>Monthly</u>             | <u>March and<br/>September</u> | <u>June and<br/>December</u> |
|----------------------------|--------------------------------|------------------------------|
| Ammonia as NH3-N           | Same as monthly,               | Same as March and            |
| Chloride as Cl             | plus:                          | September, plus:             |
| Nitrate as NO3-N           |                                |                              |
| Oil & grease               | Alumium as Al                  | Gross Alpha, pCi/l           |
| Phenol                     | Arsenic as As                  | (December only)              |
| Total Dissolved Solids     |                                | Gross Beta, pCi/l            |
| Fecal Coliform, MPN/100 ml |                                | (December only)              |
| pH, standard units         |                                | Barium as Ba                 |
|                            |                                | Cadmium as Cd                |
| Also: Static water level   |                                | Chromium as Cr               |
| measurements,              |                                | Copper as Cu                 |
| monthly. Amount of         |                                | Cyanide, total               |
| water evacuated prior      |                                | (December only)              |
| to sample collection,      |                                | Iron as Fe                   |
| whenever sample for        |                                | Lead as Pb                   |
| lab analysis is col-       |                                | Manganese as Mn              |
| lected.                    |                                | Mercury as Hg                |
|                            |                                | Selenium as Se               |
|                            |                                | Sulfate as SO4               |
|                            |                                | Zinc as Zn                   |

Permittee shall comply with the Monitoring, Analysis and Reporting Schedule prescribed for the original permit, Permit to Construct 81-27RRRR as described in a letter to Village Sewer Company dated November 16, 1982 and as may be modified and as shown in Attachment I to Permit GPC 84-190.

Permittee shall comply with control limits and procedures prescribed for the original permit, Permit to Construct 81-27RRRR, as described in a letter to Village Sewer Company, dated February 28, 1983 and as may be modified and as shown in Attachment II to Permit GPC 84-190.

The monitoring, analysis and reporting schedule, including parameters, control limits and procedures, and number and locations of monitor wells, may be modified by the Administrator with cause. Modification may be requested by the permittee but may not be implemented without prior approval of the Administrator. The Administrator may delete any parameter or parameters from required analysis and reporting as he determines appropriate. Such determination will become effective when the Administrator notifies the permittee in writing and only for the period of time specified, and shall become part of this permit by reference.

Sampling shall be accomplished according to procedures established and/or approved by the WQD.

Results shall be reported as required in Section G. of 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. (Not applicable to this permit.)

Effluent quality is to be monitored on the same basis as, and required analyses are the same as, for the groundwater monitor wells (Section F.4.). The effluent sample shall be collected just before it enters the recharge well system. Effluent flow to or through the recharge well in use at the time shall be measured daily, and reported as a daily average and daily maximum (total). Cumulative volumes shall also be reported. Water level measurements at each recharge well shall be made daily. The recharge well in use shall be identified.

Water levels in recharge wells shall be monitored and reported as required in order to document actual and potential groundwater mounding, and corrective action shall be taken if necessary to prevent treated effluent and/or groundwater from rising to the surface in one or more recharge wells.

All data shall be reported within thirty (30) days after the end of the reporting period to the Groundwater Section of the Water Quality Division.

In addition, the effluent shall be analyzed for residual chlorine weekly. Residual chlorine analyses shall be available for inspection at the site.

## 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 usable 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 usable 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.

(Item I.10. is not applicable to this permit.)

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. (Not applicable to this permit.)

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 applicable

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.

Not applicable

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:

When recharge operations cease, the post-recharge water quality of the receiving groundwater must be returned to the pre-discharge (pre-recharge operations) quality. A monitoring schedule will be implemented and corrective action will be prescribed if required.

No well in the recharge/monitor well system shall be abandoned without prior approval or concurrence of the Administrator.

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.

Not applicable

O. Special measures the Director finds necessary:

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.

P. Special permit conditions:

Pollution or waste from the permittee which migrates into an aquifer containing a usable 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.

Teton Village Wastewater Treatment and Disposal Facility

Permit Number 81-27 RRRR

Monitoring, Analysis and Reporting

Understanding number 1 of the permit states that, "Monitoring, analysis and reporting is to be done pursuant to the March 6, 1981, memorandum and amendment from A.J. Mancini. A copy has been furnished to Nelson Engineering." The memorandum of March 6, 1981 (To: Files) recommended a monitoring schedule, and included language which was incorporated into the permit as understanding number 8. The "amendment" (addendum) of March 16, 1981 (To: Files) was written as a result of a discussion between A.J. Mancini and personnel of Nelson Engineering and allowed the permittee to expand the monitoring "schedule" (list of parameters). The consultant (Nelson Engineering) desired to expand the list in order to accommodate the Groundwater Monitoring Program described in the Procedural Memorandum from Paul Selsky to Frank Watkins, and to have a method to check the measured value of total dissolved solids.

The procedures and requirements relevant to Monitoring, Analysis and Reporting, referred to and described herein, are based on provisions of Water Quality Rules and Regulations Chapters VIII and IX.

1. Monitoring

- 1.1 "Monitor" means obtain fluid samples for analysis and/or water level measurements, or observe and record (Water Quality Rules and Regulations Chapter IX, Section 2.s.).
- 1.2 Monitoring shall be accomplished pursuant to Water Quality Rules and Regulations Chapter IX, Section 10, and shall be adequate to ensure knowledge of migration and behavior of the pollution or wastes.
- 1.3 During the operational phase of the wastewater treatment and disposal, monitoring of the subsurface discharge shall consist of:
  - a Operational monitoring, and
  - b Record-keeping and reporting, and
  - c Any other requirements established by the Administrator as deemed necessary to meet the purposes of the Environmental Quality Act, and
  - d Appropriate maps and cross-sections.
- 1.4 Sample collecting is part of monitoring.
- 1.5 The procedures used to collect groundwater samples shall ensure that the samples are representative of the groundwater being sampled. Sampling shall be accomplished by methods and procedures described in EPA SW-616 manual, Procedures Manual for Groundwater Monitoring at Solid Waste

Disposal Facilities, August 1977, unless alternate methods and procedures are approved by the Administrator (Chapter IX, Section 11).

## 2. Analysis

2.1 Analysis will be pursuant to Water Quality Rules and Regulations Chapter VIII, Section 7.

## 3. Reporting

3.1 Reporting shall be accomplished pursuant to Water Quality Rules and Regulations Chapter IX, Section 12, Records and Reports.

3.2 Records shall be maintained of all information resulting from monitoring activities. Records shall be kept at the treatment/disposal site or other place accessible to the Department of Environmental Quality/Water Quality Division personnel during normal working hours.

3.3 Information resulting from monitoring activities consists of:

- a Data obtained as a result of monitoring discharge operations, and
- b Data obtained as a result of monitoring quality parameters and fluid levels; or
- c Combined data of a and b

### 3.3.1 Discharge Operations

3.3.1.1 Data obtained as a result of monitoring discharge operations actually falls under c above, and includes:

- a Chemical and physical characteristics of effluent just before subsurface discharge. Analytical results are reported monthly, quarterly, and annually as indicated in Table 1, Parameters. \*
- b Rates and quantities (volume) of fluid discharged to the subsurface via each recharge well, and as may be applicable, pressure applied to aid in the subsurface discharge operation, reported monthly. Rates and quantities (volume) are reported as daily average and maximum discharge rate and accumulated volume; if pressure is used, average and maximum are reported.
- c Water level measurements made in any recharge or other well to determine or verify effects of mounding resulting from the subsurface discharge. Information reported monthly, to include all measurements and dates thereof. Measurements to be of water levels below ground surface.
- d Description and results of any recharge well stimulation and/or re-development or recompletion. Information to be reported within thirty (30) days following the date of the activity.
- e Description and results of any remedial work concerning the failure of equipment or operational procedures which resulted in a permit violation, at the completion of the remedial work.

f Annual report, consisting of:

- 1) Permit number, date of issuance.
- 2) Name and address of owner, and of responsible individual.
- 3) Location of facility, appropriate annotated map(s) showing facility, discharge points (identified) and relative appurtenances.
- 4) Name and address of person making report.
- 5) Reporting period.
- 6) Summary of subsurface discharge operations, including cumulative volume discharged at each discharge point and gross volume discharged to the subsurface, and range of any pressure used at each point.
- 7) Analysis of well performance, each well.
- 8) Data and analysis of any tests performed (excluding chemical or physical laboratory or field tests of effluent and well water).
- 9) Description of any actions taken to correct problems or alleviate groundwater pollution or a threat of pollution, or corrective action because of noncompliance.
- 10) Permit modifications, if any, or revised or new permits.

The initial report will cover the period from commencement of subsurface discharge to the anniversary date (March 16, 1983) and is to be submitted within thirty (30) days following the anniversary date of the permit.

3.3.2 Monitoring Groundwater Quality and Fluid Levels

- 3.3.2.1 Data obtained as a result of monitoring quality parameters and fluid levels include field measurements and laboratory measurements of characteristics of fluid obtained from monitor wells, and measurements of fluid levels in monitor wells. Monitor wells are identified as OH-3, OH-10, OH-11A, OH-13, OH-14, OH-15, OH-18, OH-19, and OH-20. Samples and water levels from OH-3 may be collected, analyzed and reported "when groundwater is high enough;" data from all other identified monitor wells shall be collected, analyzed and reported monthly, quarterly, and annually.
- 3.3.2.2 Each sample collected should have its own record, which consists of, at a minimum:
  - Sample source, well number and interval sampled.
  - Number and kinds of sample containers.
  - Preservatives used, by container.
  - Method of collecting samples.
  - Time and date of sampling.
  - Sampler's identity and affiliation.
  - Determinations performed in the field, by whom.

- Static-water level measurement before sampling procedure began.
- Name and location of laboratory to which samples sent, how and when.
- Thermal sample preservation (e.g., transported in container with ice).
- Analytical results.

3.3.2.3. The complete sample record should be maintained at the site. Analytical results are reported monthly, quarterly, and annually, as indicated in Table 1, Parameters. Results are due to be reported within thirty (30) days following the reporting period. \*

3.4 All reports required by the permit, as described herein, are due to be submitted in writing to the Department of Environmental Quality/Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002. Reports are due to be submitted within thirty (30) days following the reporting period unless specified otherwise.

\*Table 1 has been deleted.

ATTACHMENT II TO PERMIT GPC 84-190

WYOMING DEQ--WATER QUALITY DIVISION  
Classification of Groundwater  
of the State

TETON VILLAGE WATER & SEWER DISTRICT

Sample ID: OH 13, OH 14, OH 15, OH 18, OH 19, OH 20

Source of Sample: Receiving groundwater

Operational upper control limits, in mg/l unless otherwise noted.

See letter dated February 28, 1983.

(1) OH 15, 18, 19, 20

(2) OH 13, 14

| <u>Constituent</u>                  | <u>Total<br/>Concen.</u> | <u>Class</u><br><br>I | <u>Remarks</u>                                       |
|-------------------------------------|--------------------------|-----------------------|--|
| Aluminum                            | --                       |                       | 5.0 (No Class I Standard)                            |
| Ammonia (NH <sub>3</sub> -N)        | 0.5                      |                       | 3.0 (Above Standard) (1)<br>6.0 (Above Standard) (2) |
| Arsenic                             | 0.05                     |                       | 0.05   |
| Barium                              | 1.0                      |                       | 1.0  |
| Beryllium                           | --                       |                       |  |
| Boron                               | --                       |                       |  |
| Cadmium                             | 0.01                     |                       | 0.01   |
| Chloride                            | 100.00                   |                       | 250.0  |
| Chromium                            | 0.05                     |                       | 0.05   |
| Cobalt                              | --                       |                       |  |
| Copper                              | 0.2                      |                       | 1.0  |
| Cyanide                             | 0.2                      |                       | 0.2  |
| Fluoride                            | --                       |                       |  |
| H <sub>2</sub> S                    | --                       |                       |  |
| Iron OH 18, 19, 20<br>OH 13, 14, 15 | 5.0<br>NA*               |                       | 5.0 (treatable)<br>*Not applicable                   |
| Lead                                | 0.05                     |                       | 0.05   |
| Lithium                             | --                       |                       |  |
| Manganese                           | 2.0                      |                       | 2.0 (treatable)                                      |

Sample ID:

| <u>Constituent</u>                       | <u>Concen.</u> | <u>Class</u> | <u>Remarks</u>        |
|--|----------------|--------------|-----------------------|
| Mercury                                  | < .0002        |              | 0.002                 |
| Nickel                                   | --             |              |                       |
| Nitrate (NO <sub>3</sub> -N)             | 10.0           |              | 10.0                  |
| Nitrite (NO <sub>2</sub> -N)             | 1.0            |              | 1.0                   |
| (NO <sub>3</sub> + NO <sub>2</sub> ) - N | --             |              |                       |
| Oil & Grease                             | 4.0            |              | 10.0 (above standard) |
| Phenol                                   | 0.001          |              | 0.03 (above standard) |
| Selenium                                 | 0.01           |              | 0.01                  |
| Silver                                   | --             |              |                       |
| Sulfate                                  | 50.0           |              | 250.0                 |
| TDS                                      | 500.0          |              | 500.0                 |
| Uranium                                  | background     |              | background            |
| Vanadium                                 | --             |              |                       |
| Zinc                                     | 2.0            |              | 2.0                   |
| pH                                       | 6.5-9.0 S.U.   |              | 6.5-9.0 S.U.          |
| SAR                                      | --             |              |                       |
| RSC                                      | --             |              |                       |
| Radium - Total                           | 5 pCi/l        |              | 5 pCi/l               |
| 226                                      | 3 pCi/l        |              | 3 pCi/l               |
| 228                                      | --             |              |                       |
| Strontium 90                             | 8 pCi/l        |              | 8 pCi/l               |
| Beta                                     | 50 pCi/l       |              | 50 pCi/l              |
| Alpha                                    | 15 pCi/l       |              | 15 pCi/l              |
| Fecal Coliforms,<br>MPN                  | 20             |              | 200                   |



*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 28, 1983

Mr. Bruce L. Nurse, President  
Village Sewer Company  
PO Box 586  
Teton Village, Wyoming 83025

Dear Mr. Nurse:

Enclosed with this letter are the control limits established by the Water Quality Division for monitor wells OH 13, 14, 15, 18, 19 and 20. Limits are established as stipulated in Understanding #7 of Permit Number 81-27RRRR dated March 16, 1981, issued to/for the Teton Village Wastewater Treatment and Disposal Facility. The understanding states that, "If limits are exceeded such that an unwarranted threat to groundwater is perceived, the applicant/operator will be required to take remedial action."

The purpose of the control limits is to alert the Division and the operator to a condition which, if not alleviated, may lead to or result in violation of the water quality standards of Water Quality Rules and Regulations Chapter VIII, Quality Standards for Wyoming Groundwaters.

The groundwater which is receiving treated effluent from the Teton Village wastewater facility has been designated a Class I Groundwater of the State.

It has been our previous understanding that the groundwater impacted by the Teton Village subsurface discharge is not being withdrawn anywhere for domestic or other use. If you know this to be incorrect, you are instructed to inform this office immediately of the details of any known groundwater use.

Assuming that the impacted groundwater is not being used, the regulations provide that a discharge which results in concentrations in excess of standards shall be allowed if post-discharge water quality can be returned to water quality standards or better quality (Chapter VIII, Section 4.d.(6)). In other words, unappropriated or unused groundwater may be impacted temporarily but must eventually be cleaned up to meet standards. The issuance of Water Quality Division permit to construct does not authorize unwarranted permanent irreversible deterioration

Mr. Bruce L. Nurse  
Page Two  
February 28, 1983

of an impacted Class I Groundwater of the State.

A major concern of this office, during the operational phase of the subsurface discharge, will be to monitor the impact to make certain that the subsurface discharge does not result in the presence of biological, hazardous, toxic or potentially toxic materials or substances in concentrations or amounts which will impair the water for its use suitability or which may contribute to a condition in contravention of groundwater quality standards or to any toxic or hazardous effect on natural biota.

Analytical results indicate that some standards have been temporarily exceeded on various occasions, at several monitor wells. Of more than passing concern are excessive concentrations of phenol, oil and grease, and ammonia. Concentrations of iron have been very high in certain wells - wells which were constructed with iron casing. The Water Quality Division will not evaluate the reported concentrations of iron in these wells.

In order to monitor groundwater quality during plant operations, it would be appropriate to establish control limits based on pre-discharge back ground water quality. However, we have not been able to do this, because we have been unable to correlate analytical results between wells and the effluent quality. Examples: when oil and grease concentrations were reported as 123.20 mg/l in one well and 35 mg/l in another, the treated effluent reportedly had a concentration of 0.40 mg/l; on a date when the concentrations of phenol were reported as 81.00 mg/l in one well, 174.00 mg/l in another and 52.400 mg/l in a third, the concentration in the effluent was reported as 23.600 mg/l.

Therefore, the limits shown on the enclosures are based on water quality standards and the predicted effluent quality (Exhibit A) submitted to the Water Quality Division with a letter dated March 6, 1981.

If any values under "Total Concen." are exceeded, that will be a signal for increased vigilance and motivation on the part of the Village Sewer Company to implement actions to cause a decrease in concentrations by the time of the next analysis. The value in the "Remarks" column should not be exceeded in any two consecutive samples, whether they are monthly or quarterly. If any concentration is exceeded in two consecutive samples, another sample(s) should be collected as soon as possible for confirmatory analysis. If the violation is confirmed, corrective action should be implemented immediately. If the following monthly or quarterly sample continues to indicate a violation, the Water Quality Division may take enforcement action.

Mr. Bruce L. Nurse  
Page Three  
February 28, 1983

Upper control limits may be changed by the Water Quality Division, based on modifications in operating procedures, new information on health effects due to concentrations of various constituents (i.e., changing standards), or advanced techniques of sample and data analyses.

It is not anticipated that the standard for any radionuclide shall be exceeded.

It seems relevant to reiterate that, once the subsurface discharge operation ceases, the post-discharge quality of impacted groundwater must be returned to water quality standards or better quality. Post-operational monitoring will be required.

Sincerely,



William L. Garland  
Administrator

WLG/AJM/kb

Enclosures



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 3, 1985

Mr. Angelo Ravenello  
Plant Supervisor  
Teton Village Water and Sewer District  
P.O. Box 586  
Teton Village, WY 83025

RE: GPC 84-190

Dear Mr. Ravenello:

The Department of Environmental Quality, Water Quality Division, is in receipt of the May 1985 monthly monitoring report. The report was not received within the required 30 day period. Please ensure that all future reports are received on time. It is noted that the ammonia concentration for monitor well OH-13 was .50 ppm. This concentration meets the lower limit imposed by permit GPC 84-190. The lower limit for phenol was also exceeded in monitor well OH-18 and OH-19 at .014 and .011 ppm respectively.

During my recent inspection and sampling trip on June 18, 1985, it was noted that OH-3 has not been abandoned, OH-4 and the recharge wells are not numbered, and a steel locking cap has not been installed on OH-4. The Department of Environmental Quality, Water Quality Division, requests that Teton Village submit abandonment specifications for OH-3, number the wells, and the steel locking cap be installed on OH-4 within 30 days of receipt of this letter. Also, that monitor well OH-3 be abandoned properly within 60 days of receipt of this letter. If you have any questions, please feel free to contact me at (307) 777-7084.

Sincerely,

Matthew M. Langenfeld  
Groundwater Compliance Specialist

MML/nc

cc: Dr. Victor Kaunitz, Teton Village  
Jake Strohman, DEQ/WQD  
A. J. Mancini, DEQ/WQD



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 30, 1984

Dr. Victor H. Kaunitz  
Teton Village Water & Sewer District  
P.O. Box 581  
Teton Village, WY 83025

RE: GPC 84-190

Dear Dr. Kaunitz:

Enclosed are two copies of permit GPC 84-190, for the Teton Village Water and Sewer District. Also enclosed are a dozen copies of Form GPC 7. One of these forms, completed, must accompany each report submitted to this office. The form must be signed as specified in Section Q, Signatories Requirement, of the permit. Note that a person is not a duly authorized representative unless you have so designated the individual (or position) in writing to the Water Quality Division Administrator.

Sincerely,

A handwritten signature in cursive script that reads "William L. Garland".

William L. Garland  
Administator

WLG/AJM/nc  
Enclosures

cc: A. J. Mancini



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 19, 1984

Dr. Victor H. Kaunitz, Chairman  
Teton Village Water & Sewer District  
P.O. Box 581  
Teton Village, WY 83025

RE: Permit GPC 84-190

Dear Dr. Kaunitz:

This is a response to your letter of October 31, 1984.

Please provide well completion information on well OH-4, such as:

1. date construction was completed;
2. how the well was completed (open hole, perforations, screen) and relevant depth intervals;
3. size of borehole, size of casing, bottom of casing;
4. amounts/intervals of cement around casing;
5. condition of cement at surface;
6. information on existing gravel pack, if any;
7. other relevant information;
8. verify or correct: ground elevation is 6328.5 feet, elevation of top of casing is 6330.1 feet and total depth is 29 feet below the surface.

Also, please provide available background water quality data for OH-4, from any time period.

I believe reported high values for gross alpha and gross beta are probably not representative; however, my belief is not enough in itself for deletion of these parameters from the annual requirements. I suggest you have a sample collected from each of the following listed wells and sent to the Water Quality Division laboratory in Cheyenne, where lab personnel will analyze some or all of the samples (at no cost to you) for radium-226. Before the samples are collected, someone in your organization should contact Mr. Kent Angelos, Water Quality Division Laboratory Supervisor at

Dr. Victor H. Kaunitz, Chairman  
November 19, 1984  
Page 2

777-7317 (Cheyenne). Mr. Angelos will describe procedures for collecting and shipping the samples. If requested, Mr. Angelos probably can provide sample containers. Collect and ship samples from OH-13, OH-14, OH-15, OH-18, OH-19 and OH-20. Label each container adequately!

Until alpha is verified as being below the standard, it will remain a parameter for analysis. (Note: If our analyses indicate Ra-226 concentrations are below the standard, we will naturally conclude that alpha is below the standard. At that point we will most likely reason that beta also is below the standard.)

Aluminum concentrations in the past have fluctuated from low to high values; high concentrations apparently have been reported even after the discontinuance of the use of aluminum sulfate in the wastewater treatment process. We would like to see only low concentrations of aluminum over time, before we agree to delete this parameter.

Phenol concentrations have a similar history of occurrence --- high and low values. Your action to ban the use of phenolic compounds will definitely help. We feel that until we can see phenol stabilizing at low concentrations, sampling, analysis and reporting of this parameter should continue on a monthly schedule.

It's comforting to know that the use of cyanuric acid has been discontinued. We will agree to require analysis and reporting of total cyanide on an annual schedule. At such time as we can be assured that cyanide concentrations will not exceed 0.2 mg/l in any monitor well sample, we will consider deleting this parameter. I should point out that consideration of the question does not automatically mean a resolution to delete.

The permit will reflect the thoughts expressed in this letter, and will allow for modifications in the monitoring, analysis, and reporting schedule. The permit will also allow OH-3 to be replaced by another acceptable background (upgradient) monitor well.

Sincerely,



A. J. Mancini  
Groundwater Control Supervisor

AJM/nc



Department of Environmental Quality  
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-4741

October 11, 1984

GPC 84-190

Mr. Mike Bommer  
Teton Village Water & Sewer District  
P. O. Box 581  
Teton Village, WY 83025

Dear Mike:

I am writing this letter to address the important points concerning our meeting of September 25, 1984. I have, in my file, the omitted analytical data for the August monthly monitoring period including fecal coliform, pH and water level measurements. This data was received within 30 days after the end of the monitoring period as required by permit GPC-27RRRR on September 25, 1984. Also, I have received the letter dated September 19, 1984, from Mr. Ford of Ford Chemical Laboratory addressing the analytical problems causing the high gross Alpha and gross Beta values reported for the July, 1984 monitoring data on Well OH-1.

At the meeting Jim Terry asked whether or not a leach field or spray irrigation system would decrease the monitoring requirements for Teton Village Water and Sewer District. These systems would require a monitoring program and the extent of this program would depend on your submittal of plans and specifications to the Department of Environmental Quality. Land application must be permitted through E. J. Fanning and NPDES through John Wagner.

We feel that the most appropriate way to deal with Well OH-3 which was destroyed during the construction of a road, would be to redrill this well in the near vicinity. Neither Well OH-1 or OH-4 are in a strategic area or are completed properly. The annulus on Well OH-4 has caved in next to the PVC pipe and we do not know if either of these wells have been perforated over the proper interval and screened. Well OH-3 also has an historical significance in that analytical data that is very valuable has been collected for a considerable length of time. Also Well OH-3 is in an area where detection of any outside pollution entering the area can be detected early and properly. We have no previous data on Wells OH-1 and OH-4. We request an immediate response in regard to redrilling Well OH-3. When redrilling Well OH-3 refer to Chapter XI of the Water Quality Rules and Regulations, Part G, starting on Page 140 for proper construction of monitor wells.

Mr. Mike Bommer  
Page Two  
October 11, 1984

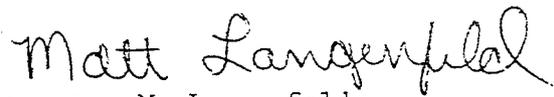
In the past, problems have occurred due to the introduction of cyanuric acid to your wastewater treatment plant from Eagles Rest Condominiums. Please contact Underground Management and find out if cyanuric acid is still used and when. Possibly, you may suggest to them that they find a suitable substitute or discontinue use of cyanuric acid altogether. Please submit your findings to us regarding this matter.

Please note that fecal coliform samples have a retention time of six hours and must be received by a testing facility and tested before the six hours are up. To the best of my knowledge the only laboratory within six hours capable of testing fecal coliform is the City of Jackson's wastewater treatment plant's laboratory.

In as much as you are using one recharge well at a time, we would intertain your suggestions for modifying the monitoring and testing schedule. We would appreciate an early response on this matter. We will provide additional response to the considerations in the third paragraph of Dr. Kaunitz's letter to Tony Mancini dated September 25, 1984.

If you have any questions, feel free to contact me at (307)-777-7084.

Sincerely,



Matthew M. Langenfeld  
Groundwater Compliance Specialist

MML/sk

Enclosure

cc: A. J. Mancini, DEQ  
Dr. Kaunitz

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY/WATER QUALITY DIVISION

Groundwater Pollution Control Permit

APPROVAL FOR TRANSFER OF RESPONSIBILITY

Reference GPC 84-190  
(Permit to Construct 81-27RRRR)

|  |     |   |
|--|-----|---|
| TO: <u>Dr. Victor H. Kaunitz, Chairman</u>                     | and | <u>Paul McCollister, President</u>                        |
| <u>Teton Village Water &amp; Sewer District</u>                |     | <u>Village Sewer Company</u>                              |
| <u>P.O. Box 581</u>  |     | <u>P.O. Box 586</u>                                       |
| <u>Teton Village, WY 83025</u><br>(new/present owner/operator) |     | <u>Teton Village, WY 83025</u><br>(former owner/operator) |

The transfer of the operation and all associated responsibilities of the recharge well/monitor well system associated with the operation of the Teton Village Wastewater Treatment and Disposal Facility located in Section 24, T42N, R117W in Teton County, Wyoming is approved, effective August 1, 1984.

William J. [Signature]  
Administrator - Water Quality Division  
Phone: (307) 777-7781

July 27, 1984  
Date

Robert E. [Signature]  
Director - Department of Environmental Quality

July 27, 1984  
Date

GPC 84-190

THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 27, 1984

Mr. Paul O. Vaughn  
Teton Village Water and Sewer District  
P.O. Box 4128  
Jackson, WY 83001

Dear Mr. Vaughn:

Enclosed is a Form GPC 11, Transfer of Responsibility, which should be completed and returned to this office. Note Part III on the reverse side.

A draft GPC permit will be forwarded to you, to review, in the near future.

Sincerely,

*AJ Mancini*

A. J. Mancini  
Groundwater Control Supervisor

AJM/nc  
Enclosures

5-22-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-191R  
MA 14068

Seminole #2, Sedimentation Pond #8  
(Name of Facility)

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

Ted J. Hall

Arch Mineral Corporation

P.O. Box 530

Hanna, WY 82327

to construct, install, or modify a sediment control pond facility according to the procedures and conditions of the application No. 84-191R. The facility is located in NE SE Section 7, T22N, R81W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

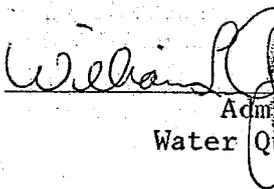
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

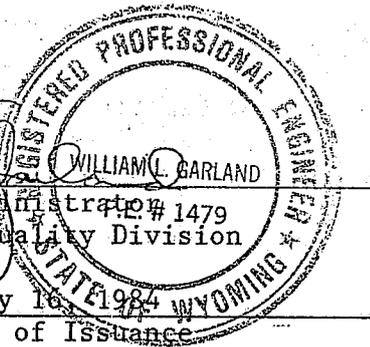
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

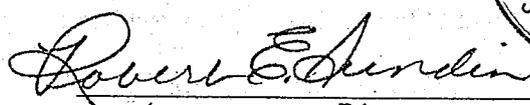
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

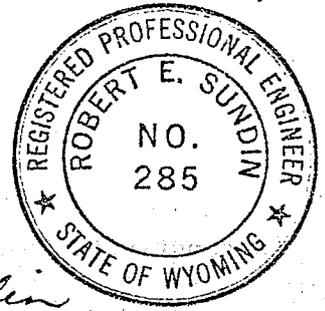
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrative # 1479  
Water Quality Division  
May 16, 1984  
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  
200 N. Broadway  
St. Louis, MO 63102

5-1-84

Review of Plans and Specifications

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

PROJECT: Seminole #2, Sedimentation Pond #8, Carbon Co.

ARCHITECT OR ENGINEER: Robert Shanks, Arch Mineral  
200 N. Broadway, St. Louis, MO 63102

APPLICANT: Ted J. Hall  
P.O. Box 530, Hanna, WY 82327

WATER QUALITY DIVISION REFERENCE NUMBER: 84-191

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

DATE OF REVIEW: April 30, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Design information was not submitted showing the drainage area and the calculations on how the 10 year-24 hour flood and sediment storage was determined.



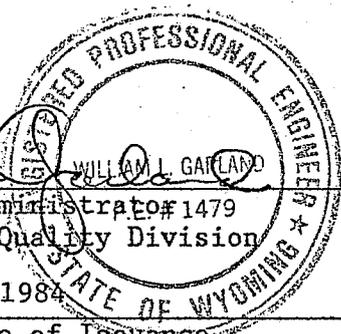
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

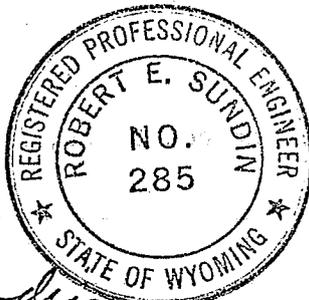
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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. Gatland*  
WILLIAM L. GATLAND  
Administrator #1479  
Water Quality Division  
May 18, 1984  
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.

JB/JH:mpm

cc: E. Philip Kelley  
P&M Coal Mining Co.  
Northwestern Division  
Frontier, WY 83121



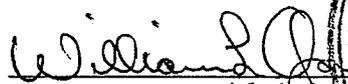
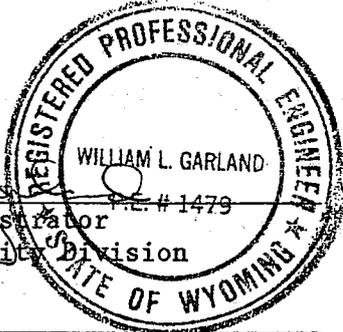
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

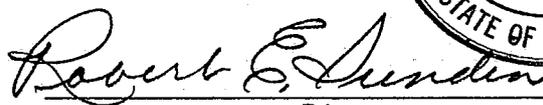
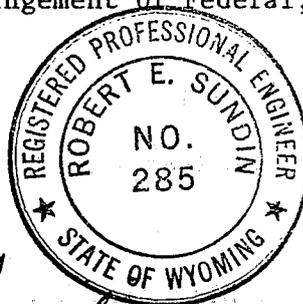
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


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


October 22, 1984  
Date of Issuance

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

JB:dcn

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: KSB-7A Sedimentation Ditch Reservoir

ENGINEER: E. Philip Kelley  
P & M Coal Mining Company and Paul Rechar  
P. O. Box 950 Western Water Consultants  
Kemmerer, WY 83101 P. O. Box 4128  
Laramie, WY 82701

OWNER: P & M Coal Mining Company  
P. O. Box 950  
Kemmerer, WY 83101

WATER QUALITY DIVISION REFERENCE NUMBER: 84-193

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: June 14, 1984

ACTION: Not Authorized.

COMMENTS: An initial review of your plans and specifications has been completed. The following items need to be addressed and/or resolved:

1. Water Quality Rules And Regulations require sedimentation control facilities greater than 2.0 ac-ft have a spillway. Contrary to the Design Report, inspection of existing ditches at the mine indicate that when runoff exceeds the ditch capacity, it does not simply flow over the downstream edge but rather washes out weak areas along the ditch and creates gullies across the natural drainage.
2. The ditch reservoir should be drained down to the permanent pool level as soon as the effluent meets the discharge parameters. Address the method to be used for dewatering.
3. Address the method for determining when the ditch reservoir has reached the sediment storage capacity. A one year sediment storage volume must remain available at all times.
4. The Design Report indicates that the runoff volume from the 56.7 acres is 0.36 ac-ft. resulting in a total ditch capacity of 6.96 ac-ft. Calculations by this office indicate that the runoff volume should be 1.89 ac-ft. yielding a total ditch capacity of 8.49 ac-ft.

Please submit the required information and revised drawings to this office, in triplicate. If you have any questions please feel free to contact me. After July 1, 1984 I can be contacted at DEQ/Water Quality Division, 210 Lincoln Street, Lander, WY 82520 (307-332-3144).

JB:mpm

ABC



# Department of Environmental Quality

## Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

### CONSTRUCTION INSPECTION REPORT

Date: September 25, 1984

Wyoming Permit Number: #84-133RR, #84-194

Name of Facility: Exxon-Shute Creek Mancamp

Location of Facility: Sec. 14, T.22N., R.112W., Lincoln County

Facility Description:  New Construction  Modification

Design Engineer: Jon Anderson

Contractor: AVI, P.C.

Construction in Compliance with Issued Permit to Construct:  Yes  No

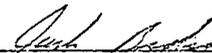
Infraction(s) that need(s) to be Corrected and/or Comments:

1. "Permit to Construct" 84-133RR specifies that there be a 12 inch earth cover over the impervious liner. Plan sheet 8 of 12 indicates that the interior dikes will be rip-rapped.
2. No rip-rap was observed below either the lagoon or detention pond outlet pipes. "Permit to Construct" #84-133RR and #84-194 indicate rip-rap below the outlet pipes.
3. "Permit to Construct" #84-194 indicates that rip-rap will be placed at the inlet to the detention pond. No rip-rap was observed at the inlet.

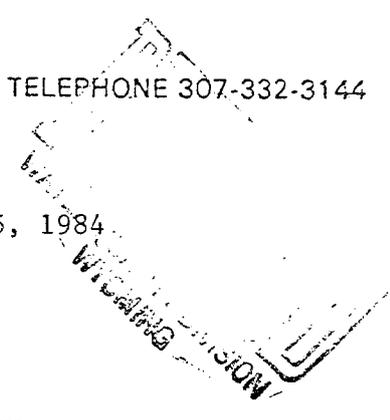
A written response addressing these infractions needs to be submitted to this office as soon as possible.

Accompanied by:

Frank Henderson (Exxon U.S.A.)

  
Signature of Inspector

cc: Cheyenne DEQ/WQD  
File (2)



*File w/ Plans  
Copy to Norma*

**EXXON** COMPANY, U.S.A.  
POST OFFICE BOX 98 • FRONTIER, WYOMING 83121-0098

LABARGE GAS PLANT  
MIDCONTINENT DIVISION

May 23, 1984

Mr. Jack Bedessem  
Wyoming Department of  
Environmental Quality  
165 East Railroad Avenue  
Green River, WY 82935

Re: Shute Creek Mancamp Detention/Sedimentation Pond  
(Permit No. 84-194)

Dear Mr. Bedessem:

Please be advised that I telephoned your office at 10:45 a.m. to notify you that Exxon Company, U.S.A. will proceed with construction of the Shute Creek Mancamp Detention/Sedimentation Pond (Permit Number 84-194) today. Completion of construction activities is anticipated to be September.

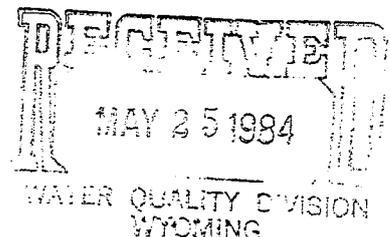
Please call (877-5536) should you have questions.

Sincerely,



Cheryl A. Winkler  
Environmental Coordinator

CAW/fn  
xc: Mr. Phil Valez, State Engineer





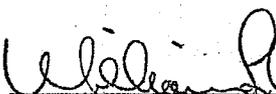
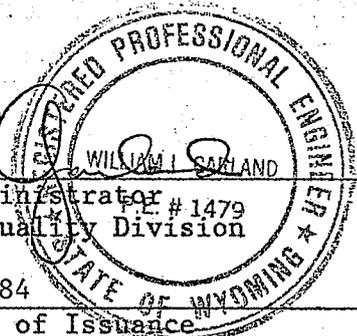
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

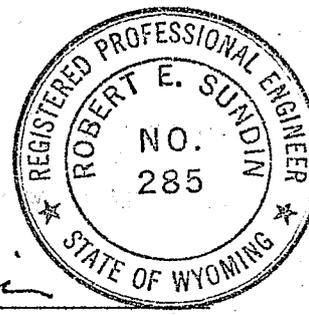
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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 SAKLAND  
Administrator # 1479  
Water Quality Division  
MAY 7 1984  
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.

JB:mpm

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

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

May 9, 1984

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

Re: Water Storage Ponds ST-2 and ST-3 84-195 , 84-196

Dear Scott:

As per our telephone conversation May 7, 1984 I have received and reviewed the water quality data for Darter #1 Well (source) and Well #20 (nearest ground-water). The water quality from Well #20 appears to be of much lesser quality than the water quality from Darter #1 Well. It is also my understanding that a radionuclides analyses of these waters was performed and the results were negative.

For the reasons stated above, no permit will be required by DEQ/Water Quality Division for Water Storage Ponds ST-2 and ST-3.

I am returning three sets of the plans you submitted. One set will be kept for our records.

If you have any questions please feel free to contact me.

Sincerely,

  
Jack Bedessem  
Area III Supervisor

JB:mpm

cc: Cheyenne DEQ/WQD  
Jake Strohman-DEQ/WQD  
Rick Englemann-DEQ/LQD Lander  
File (2)

7-20-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-197RR

\* SEE CONDITION ON PERMIT \*

WILLIAMS & SON STATION  
SMALL WASTEWATER SYSTEM  
\_\_\_\_\_  
(Name of Facility)

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

Robert Williams

P. O. Box 202

Pinedale, WY 82941

to construct, install, or modify a septic tank/elevated disposal field

\_\_\_\_\_ facility according to the procedures and conditions of the  
application No. 84-197RR. The facility is located in \_\_\_\_\_

NW $\frac{1}{4}$ NW $\frac{1}{4}$  Section 4, T33N, R109W

\_\_\_\_\_ 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

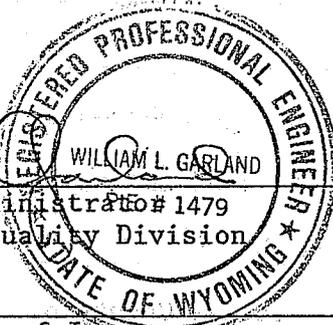
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

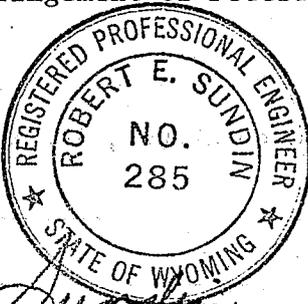
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

July 6, 1984

Date of Issuance

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

\* CONDITION ON PERMIT \*

This permit is issued with the intent of providing an interim on-site wastewater treatment facility until such time that treatment is available through the Town of Pinedale's wastewater system. The facility authorized by this permit must be abandoned and connection made to the Town's facility when it becomes available.

The permittee shall notify the representative of the Sublette County Planning Department of the day construction is scheduled to commence and the estimated completion date of this project. Final inspection of the installed system is required before backfilling. The authorized representative in your area can be contacted at the following address:

Janet Montgomery  
Sublette County Zoning Planner  
P. O. Box 506  
Pinedale, WY 82941

JH:dcn

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: Williams and Son Station

ENGINEER: Phillip D. Essington  
P. O. Box 67  
Pinedale, WY 82941

OWNER: Robert and Barbara Williams  
P. O. Box 202  
Pinedale, WY 82941

WATER QUALITY DIVISION REFERENCE NUMBER: 84-197

REVIEWING EVALUATOR: Jack Bedessen, <sup>JB</sup> Jeff Hermansky

DATE OF REVIEW: May 18, 1984

ACTION: NOT AUTHORIZED.

COMMENTS: An initial review of your plans and specifications has been completed. The following items need to be addressed and/or resolved:

1. The U.S. Public Health Manual's formula ( $Q = 5/\sqrt{TE}$ ) is no longer used by the DEQ for sizing disposal fields. Chapter XI Water Quality Rules and Regulations (Part D) includes acceptable criteria for sizing disposal fields.  
  
For a soil with a 10 min/inch percolation rate the application rate should be 0.625 gal/ft<sup>2</sup>/day. Under the new Chapter XI regulations, all bottom and sidewalk area below the distribution pipes is included when calculating the disposal area. The minimum required disposal area is 1600 ft<sup>2</sup>.
2. The bottom of the disposal bed must be at least 4 feet above the seasonal high groundwater. Records checked by this office indicate that the seasonal high groundwater level is 4 feet below the ground surface. An elevated disposal bed is required for this situation.
3. At least one cleanout needs to be installed in the 130 foot sewer line from the garage septic tank to the disposal bed.
4. Information is needed as to the proposed sewer lines installation. Include slope, bedding, depth, etc. Care should be taken in the design and installation of these sewer lines because they will be susceptible to vehicle traffic.

ABC

Review of Plans and Specifications  
Williams and Son Station 84-197  
May 18, 1984  
Page Two.

5. The bedding of a fiberglass septic tank is very critical. Address and specify the conditions for bedding this fiberglass tank.
6. Address whether the proposed disposal bed needs to be protected from vehicle traffic. If so, what methods will be used?

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

JB:mpm

cc: Janet Montgomery



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 22, 1984

C. Keith West, Mayor  
City of Rock Springs  
P. O. Box 1030  
Rock Springs, WY 82902

RE: "As Built" 4-Aerators at Rock  
Springs White Mountain Waste-  
water Treatment Plant  
(DEQ/WQD No. 84-198R).

Dear Mayor West:

I regret that you took exception to my comments since they were meant to be constructive. The following explanation should clarify the reasoning behind my comments.

Experience has shown that aeration of a polishing pond (without baffling) in an overloaded condition generally increases the effluent solids concentration and may only change the characteristics of the odor. Traditionally, the most feasible method for upgrading the conditions within a severely overloaded pond is to remove the excess sludge and improve the influent quality. For these reasons, it was the opinion of this office that time and energy spent on upgrading the ponds performance would best be utilized on the White Mountain aeration plant.

Samples collected by this department since July 16, 1984 have shown no significant change in the White Mountain Plant's effluent quality.

Owing to the fact that the City of Rock Springs has just received funding to abandon the White Mountain Plant, construct a lift station and transmission line, the Wyoming Department of Environmental Quality accepts the installation of the polishing pond aerators. A "Permit to Construct, Install or Modify" cannot be issued since the installation has already been completed. Please retain this letter as verification that this department accepts the installation.

C. Keith West, Mayor  
August 22, 1984  
Page Two

I hope this letter will clarify matters and I am looking forward to working with you on your future projects. If you have any questions or if this office can provide you with any assistance, please feel free to contact me.

Sincerely,



Jack Bedessem  
Area III Supervisor

JB:dcn

cc: Glenn Sagano - City of Rock Springs  
Jake Strohman, DEQ/WQD Cheyenne  
John Wagner, DEQ/WQD Cheyenne  
File (5)

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: Polishing Pond Aerators - Rock Springs White Mountain Plant

ENGINEER: Glenn Sugano  
City of Rock Springs  
P.O. Box 698  
Rock Springs, WY 82901

OWNER: Keith West, Mayor  
City of Rock Springs  
P.O. Box 698  
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 84-198

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: May 31, 1984

ACTION: Not Authorized.

COMMENTS: The effluent quality from the White Mountain WWTP has been consistently out of compliance with NPDES requirements. The February 17, 1984 NOV and Order, requested that the City of Rock Springs submit plans for upgrading the White Mountain WWTP such that the effluent quality would be brought into compliance.

An initial review of these plans and specifications has been completed. The following comments summarize the concerns of this department which must be addressed:

1. A firm contracted by EPA is scheduled to troubleshoot operations at the White Mountain WWTP the first week of July, 1984. It is recommended that the proposed aerators not be implemented until the review has been completed.
  - a. It may turn out that installing aerators in the polishing pond is just a bandaid approach to the entire plant operation and obtaining a good quality effluent.
  - b. In conjunction with the plant review it is recommended that a thorough engineering evaluation of plant operations and maintenance be performed to determine viable methods for improving effluent quality.
2. Poor effluent quality and odor problems from polishing ponds are generally caused by overloading, short detention times and/or poor circulation. It is recommended that the polishing pond influent be analyzed and a pilot study (jar tests) performed before the aerators are implemented.

Review of Plans and Specifications

Polishing Pond Aerators - Rock Springs White Mountain Plant

84-198

May 31, 1984

Page Two

3. Aeration of your polishing pond will probably reduce the odor problem but it may also increase the solids concentration of your effluent even by operating 50/50 (run time/quiescent time).
4. If the aeration of the polishing pond is to be implemented, it is recommended that a baffle system be considered to aid in solid settling.

Submit the required information to this office. If you have any questions please feel free to contact me.

JB:mpm

cc: John Wagner DEQ/WQD



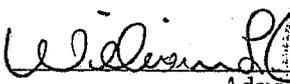
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

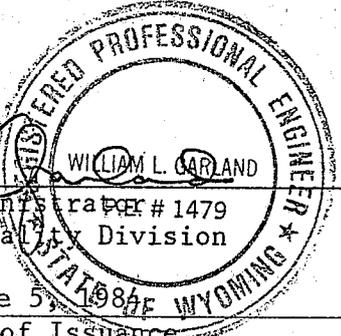
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

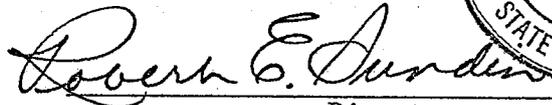
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
June 5, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

xc: Excel Homes  
302 N. Main  
Sheridan, WY 82801

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 14, 1985

P&P Enterprises, A Partnership  
P.O. Box 6498  
Sheridan, Wyoming 82801

RE: Mountain Shadows Subdivision  
Water System, Ref. 84-200

Gentlemen:

Thank you for your notification to us that the referenced project has been cancelled. We have removed the application from our files and records. Enclosed are all materials submitted to us for this project.

Sincerely,

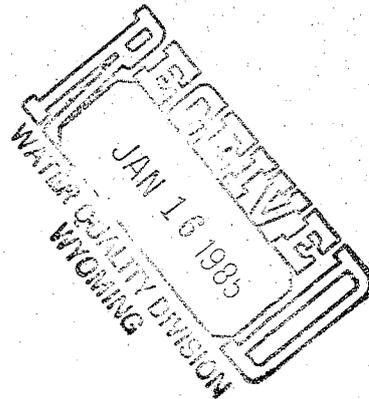
A handwritten signature in cursive script that reads "Rich Ruyle".

Rich Ruyle  
District Supervisor

RR:1s

Enclosures

xc: Norma Coulson



Norma



ED HERSCHLER  
GOVERNOR

Department of Environmental Quality  
Water Quality Division

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801



January 7, 1985

P&P Enterprises, A Partnership  
P.O. Box 6493  
Sheridan, Wyoming 82801

Gentlemen:

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

- Facility name: Mountain Shadows Water System
- DEQ/WQD Reference Number: 84-200
- Engineering Consultants: Walt Pilch/Bill Mentock Engineering, Inc.
- DEQ/WQD Review Engineers: Tom Mueller/Rich Ruyle
- Date of DEQ/WQD Review: June 14, 1984

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

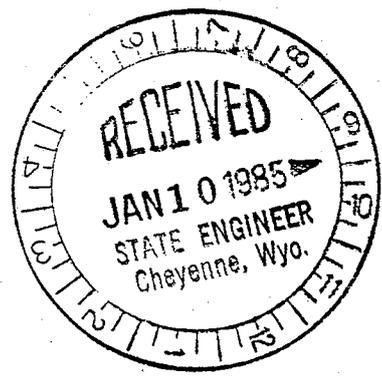
*all*

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.

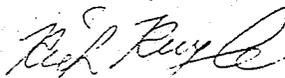
Other remarks:



P&P Enterprises, A Partnership  
January 7, 1985  
Page Two

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

Sincerely,



Rich Ruyle  
District Supervisor

RR:ls

Enclosure: Review

xc: Norma Coulson  
Engineering Inc.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Mountain Shadows Subdivision Water System

ARCHITECT OR ENGINEER: Walt Pilch/Bill Mentock  
Engineering Inc.  
45 East Loucks  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-200

REVIEWING ENGINEER: Tom Mueller <sup>JM</sup>/Rich Ruyle <sup>RR</sup>

DATE OF REVIEW: June 14, 1984

ACTION: Not Authorized

COMMENTS:

A. Please provide an engineering report presenting the following:

1. Basis of Design

- per capita flows - average, daily peak, inst. peak
- estimated number of system users
- reservoir requirements, based on daily demand and hourly demand distribution
- pressure tank volume requirements, based on demand, pump capacity and limitations on frequency of pump starts
- justification of pressure pump capacities, based on peak demand with one pump out of service
- sump pump and well pump capacities, based on maximum day demand and ability to meet design average day demand with the larger well out of service.

2. Reasons for departure from normal requirements, particularly

- failure to loop all water mains.

3. Hydrological information indicating adequacy of well and infiltration gallery to supply indefinitely the anticipated demands. Include yield and drawdown tests.
4. Groundwater quality data, particularly from the near-surface aquifer used for the infiltration gallery. We have received written allegations that this water may be contaminated by agricultural operations and treated-wood foundations in this area. This agency often defers such sampling/analyses until completion of the system, but pre-sampling seems more prudent and feasible in this case due to the shallow depth of the water.

Analyses should include the following:

- Fecal Coliform
- Total Dissolved Solids
- Sulfates
- Sodium
- Hardness
- Iron
- Copper
- Chromium
- Arsenic
- All pesticides required by EPA to be tested  
for under the Safe Drinking Water Act.

- B. The Wyoming Public Works Specifications require the specifier to provide certain job-specific information, namely:
  - Standard of disinfection
  - Location and rates of pre-disinfection flushing
  - Form of chlorine to be used and method of application
  - Number, frequency and location of bacteriological tests
  - Type 1 or Type 2 Pipe Bedding required
  - Type A or Type B Trench Backfill required.
- C. Please provide specifications for piping materials, pressure tanks and support systems to be used within the pumphouse.
- D. Please indicate heating, lighting and ventilation layout for the pumphouse.

Mountain Shadows Subdivision Water System Review

84-200, June 14, 1984

Page Three

- E. Specifications for the pumphouse pumping system are inadequate. Pump curves and a control system description, at a minimum, are also required.
- F. The 2-inch water line from the pumphouse to the irrigation pond is unacceptable as currently shown. A leak in the pipe, combined with failure of a check valve in either of the water supply lines, would clearly cause back-siphonage of irrigation water into the domestic water supply. A 12-inch clear air gap must be provided between the domestic water system and any pipe which comes in direct contact with the irrigation water.
- G. Net capacities of the pressure tanks must be indicated, and a firm indication of how many houses will be served at each "stage" must be provided.
- H. Please provide better details and dimensions of the reservoirs. The overflow, for instance, appears obviously incorrect for a buried tank. It is not clear where the six inch drawoff line for the tanks fits in. Additionally, specifications for disinfection of the tanks must be provided. Drains must also be provided. Again, a firm indication of the number of tanks, and when they will be installed, must be provided.
- I. Please provide details of the well head as well as specifications and pump curves for the well pump and sump pumps.
- J. Please specify which chlorinator model will be used.