



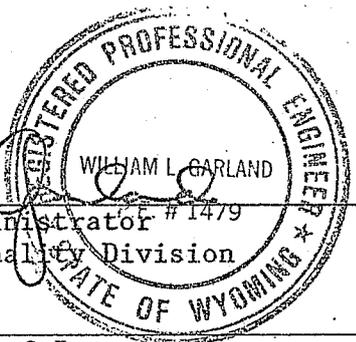
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

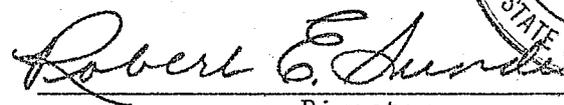
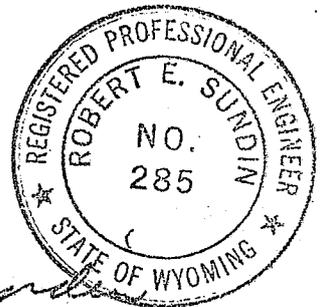
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


  
Director  
Dept. of Environmental Quality  


April 2, 1984  
Date of Issuance

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

EB:dcn



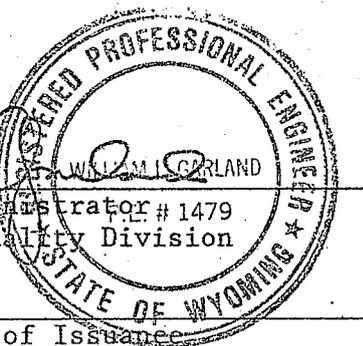
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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 # 1479  
Water Quality Division  
  
April 2, 1984  
\_\_\_\_\_  
Date of Issuance

  
\_\_\_\_\_  
ROBERT E. SUEDEN  
No. 233  
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.

EB:dcn

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-102R  
 SEE CONDITION  
 MA 14089

Lower Valley Power & Light Office Building, Septic Tank & Leach Field Facility  
 (Name of Facility)

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

Lower Valley Power & Light  
P.O. Box 188  
Afton, WY 83110

to construct, install, or modify a septic tank and leach field facility according to the procedures and conditions of the application No. 84-102R. The facility is located in Section 20, T40N, R116W in the County of Teton, in the State of Wyoming.

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

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

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

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.

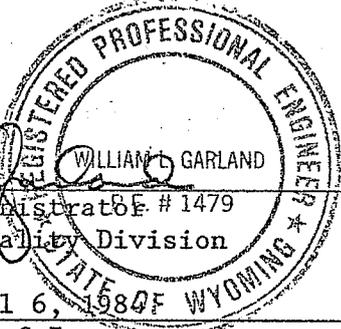
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

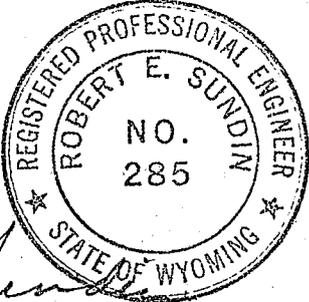
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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  
April 6, 1980  
Date of Issuance

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

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

Condition to Permit to Construct

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

Joe Chalfant  
Teton County Sanitarian  
P.O. Box 1727  
Jackson, WY 83001  
Telephone: 733-3959

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Lower Valley Power & Light Building Septic System

ENGINEER: Jim Critchfield  
Energy Research and Design Associates  
P. O. Box 3177  
Jackson, WY 83001

OWNER: Lower Valley Power and Light  
Attention: Boyd Parker  
P. O. Box 188  
Afton, WY 83110

WATER QUALITY DIVISION REFERENCE NUMBER: #84-102

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: March 26, 1984

ACTION: Not authorized.

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

1. Is any information regarding soil type in the area of the proposed leach field available? Is it the same soil type as found in the 3 test holes for the existing leach field?

There is a problem with authorizing a disposal field without site specific percolation tests--look how the 3 percolation tests varied (20, 30 and 2.5 minutes per inch), although the soil description was the same for each test hole. We may be able to go without a site specific test if we use the maximum percolation, i.e. 30 minutes per inch.

2. There should be septic tank specifications other than "constructed in accordance with State of Wyoming Department of Environmental Quality regulations." Please note the enclosed requirements for septic tanks.

3. The septic tank inlet and outlet pipes must be schedule 40 PVC if they are to be PVC.

4. There must be at least 3 feet separation between the edges of the leach trench walls.

5. Please designate an area that will be reserved for future installation of a replacement absorption system.

In responding to this review, please submit only the plan sheets that apply to septic tank - leach field (sheets A.1 and M.1).

Feel free to contact me if you have any questions.

JH:dcn



AC

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-103

SEE CONDITION

MA 14068

Hillberry Holding Tank

(Name of Facility)

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

James Hillberry

P.O. Box 907

Powell, WY 82435

to construct, install, or modify a temporary holding tank facility according to the procedures and conditions of the application No. 84-103. The facility is located in Tract 6, Lot 68, T55N, R99W in the County of Park, 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.

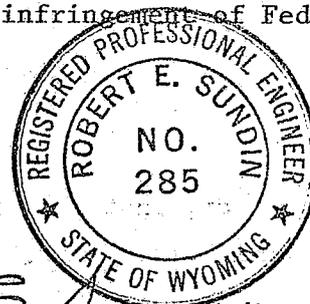
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

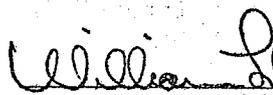
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

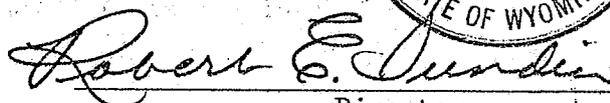
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 J. GARLAND  
Administrator # 1479  
Water Quality Division  
March 27, 1986  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

Condition to Permit to Construct

This facility is authorized for temporary use only and will be abandoned upon availability of an interceptor to the City of Powell. Connection to the central sewer is required at that time.



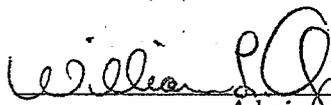
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

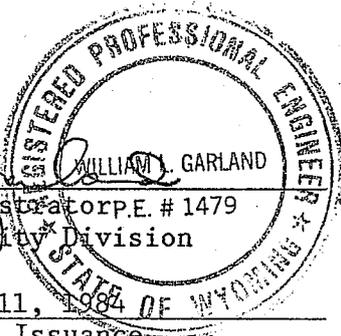
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

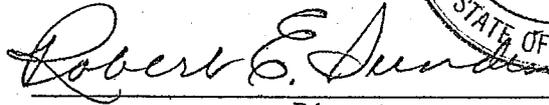
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

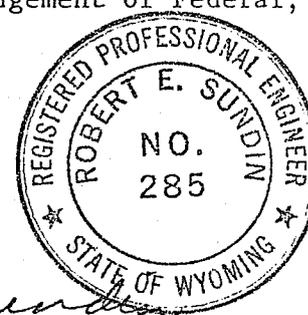
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
April 11, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

xc: Jerome Mark  
Centennial Research & Engineering  
237 N. Main, Suite 1  
Sheridan, WY. 82801

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of Clearmont  
Northwest Sanitary Trunk Sewer

ARCHITECT OR ENGINEER: Centennial Engineering and Research, Inc.  
Attention: Jerry Mark  
237 North Main, Suite 1  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-104

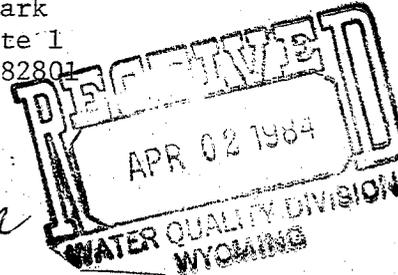
REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: March 30, 1984

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

No specifications were included with the materials received in this office.  
If the Wyoming Public Works Specifications are to be used, a statement to  
that effect should be included on the drawings.



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 18, 1984

*84-105 thru  
84-120  
No Permit Necessary*

Mr. Frank Ferris  
AMAX Coal Company  
1901 Energy Court  
Gillette, Wyoming 82716

Dear Frank:

This letter is to acknowledge receipt of your submittals dated March 21 and March 28, 1984, regarding Eagle Butte Mine Reservoirs EB-86 through EB-101, and confirm our phone conversation of April 17, 1984.

I have reviewed your drawings, and they indicate full compliance with Permit to Construct 80-457. I might mention that there is no need to submit new applications in such a situation, as no further permits are required.

Thank you for your cooperation. If you have any questions on this, feel free to call.

Yours truly,

Tom Mueller  
District Engineer

TM:ls

xc: Norma Coulson

Water Quality Division  
Groundwater Section  
Permit Application Review

Binder  
Plans  
returned to  
Shouder  
4-9-84

Application Number 84-105 through 84-120

Date Submitted For Review 4-3-84

Name and Location of Facility AMAX COAL CO.  
EAGLE BUTTE MINE  
Sediment Reservoirs  
EB 86-101

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 Pi Pucel

Title \_\_\_\_\_

Date 4-5-84

Approved 4/9/84  
(Date)

agm  
(Signed)  
Groundwater Control Supervisor

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-121  
 Ref. No. 81-303  
 80-495  
 76-97

MA 14068

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

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

Basin Electric Power Cooperative

1717 East Interstate Avenue

Bismarck, ND 58501

to construct, install, or modify a concrete culvert through the north dike of ash pond cell No. 2 from an industrial waste landfill to ash pond cell No. 2 facility according to the procedures and conditions of the application No. 84-121. The facility is located in Section 28, T25N, R67W in the County of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

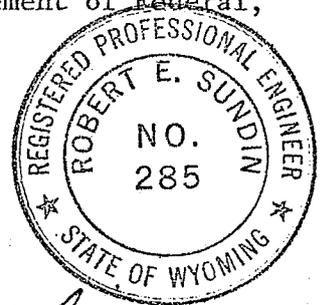
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

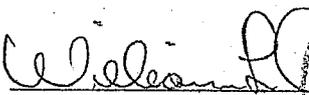
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

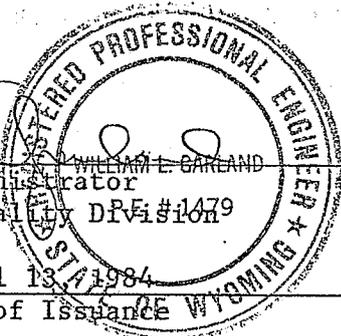
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

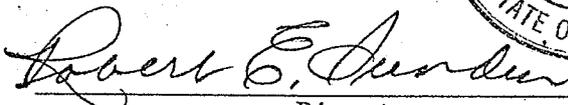
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



  
\_\_\_\_\_  
Adminisrator  
Water Quality Division #1479  
April 13, 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. 1479".

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

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

cc: David Lovetree  
Burns & McDonnell  
P.O. Box 173  
Kansas City, MO 64141

84-122



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 30, 1984

Louis P. Orleans  
Director of Energy and Environmental  
Affairs  
Holly Sugar Corporation  
PO-Box 1052  
Colorado Springs, Colorado 80901

Re: Application for Permit to  
Construct

Dear Mr. Orleans:

Your application for a permit to construct a replacement waste line pipe has been received. Although you have decreased the size of the pipe, we are considering this project as routine maintenance, so a "permit to construct" is not required. Therefore, your plans are hereby returned to you.

Sincerely,

Theodore D. Coyer, P.E.  
Engineering Evaluator

TDC/kb

Enclosure



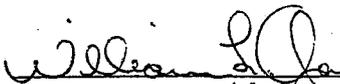
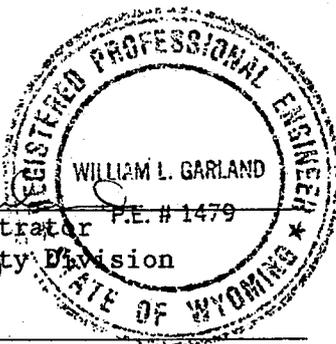
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

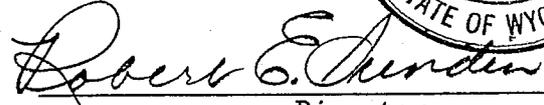
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

September 19, 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 requirement that the permittee shall notify the representative of the Lincoln 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 Lincoln County is:

Carolyn Nield  
Office of Planning & Development  
P. O. Box 414  
Afton, WY 83110

or by calling 886-3825.

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: Freedom L.D.S. Ward Building Septic System

ENGINEER: Lee Larsen Engineering  
P. O. Box 7161  
Murray, UT 84107

OWNER: S.E. Boberg, Architect  
2161 Regent Street, Suite 12  
Salt Lake City, UT 84115

WATER QUALITY DIVISION REFERENCE NUMBER: 84-123

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

DATE OF REVIEW: April 30, 1984

ACTION: Not Authorized.

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

1. Is S. E. Boberg the legally authorized agent for Freedom L.D.S. Ward? If not, the application form must be signed by an authorized Ward representative.
2. The plans must be signed by the engineer, Leland Larsen.
3. Three copies of all plans and support information must be submitted when you answer this review letter.
4. In detail A-P3, a "silty clay bedding to provide 10 minutes/inch percolation rate" is specified for the soil to be installed between the leach gravel and the native soil. This must be changed since a silty clay would probably have a percolation rate greater than 45 minutes per inch. The detail should read, "Install a dirty sand with a percolation rate of at least 5 and less than or equal to 10 minutes per inch.
5. Please specify the pipe material for the sewer line from the building to septic tank and septic tank to distribution box.
6. What is the slope of the sewer line from the building to the septic tank?
7. Please provide installation specifications for the sewer line.

JB/JH/mpm

ABC



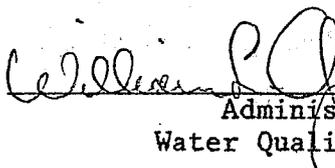
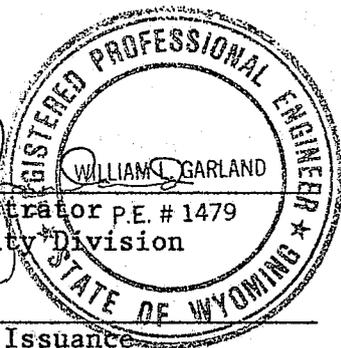
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

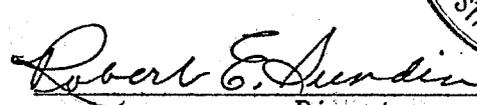
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

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


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


July 25, 1984  
Date of Issuance

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

#### Conditions Of Permit

1. A log must be kept with the following information: quantity of each load, name and location from where each load originated, haulers company name, date of each load disposed of.
2. The engineering report and specifications state that the monitoring wells will be sampled and analyses along with the static water level in each well must be submitted to: A. J. Mancini, DEQ/Water Quality Division, Hershler Building, 122 West 25th Street, Cheyenne, WY 82002
3. When the background groundwater quality sampling has been completed, results must be submitted to the same address as in Condition No. 2.
4. When each cell is completed, written certification that the liner and earthwork was constructed in accordance with the permitted specifications must be submitted by a Wyoming Professional Engineer and/or independent soils testing firm.

JB:bah

xc: Kate Laudon

Water Quality Division  
Groundwater Section  
Permit Application Review

Norma,  
all plans  
sent back to  
jack  
6-29-84

Application Number

84-124R

Date Submitted For Review

6-20-84

Name and Location of Facility

Jones Evaporation Pits  
Sec. 12 T. 12 N. R. 12 W  
Monta 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.

jack should make sure we get a copy of the permit, so we can add this facility to Tom's Monitoring List.

Signed

Kate Laudon

Title

Engineer Evaluator

Date

6-28-84

Approved

6/29/84

(Date)

AJM

(Signed)

Groundwater Control Supervisor

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: Jones Evaporation Disposal Pits

ENGINEER: Kevin Jones  
516 Sage Street  
Evanston, WY 82930

OWNER: Wayne A. Jones  
RFD Box 61-A  
Coalville, UT 84017

WATER QUALITY DIVISION REFERENCE NUMBER: 84-124

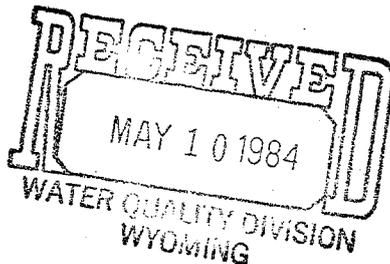
REVIEWING EVALUATOR: Jack Bedessem, <sup>JB</sup> Kate Laudon

DATE OF REVIEW: May 8, 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 owner/operator of this facility needs to be aware that he/she is responsible for and subject to provisions of the Wyoming Environmental Quality Act. This facility must be designed, constructed and operated in a manner such that waters of the State are adequately protected.
2. Chapter 1 indicates the facility is for the disposal of waste drilling fluids, produced waters, including wastewaters from the gas processing plants.
  - a) Address whether the various wastes are to be composited or isolated in separate cells.
  - b) Wastewaters and/or sludges from the gas processing plants are very difficult to characterize. Some of these wastes are known to contain potentially hazardous substances. Address and characterize (quality analyses) exactly what type of processing plant wastes are to be disposed of at this facility.
  - c) Discharge of wastes into a permitted disposal facility which are inconsistent with the type or quantity of wastes for which the facility was designed is a violation of Chapter III Water Quality Rules And Regulations.
3. The engineering report states that the average liner permeability will be  $8 \times 10^{-6}$  cm/sec. and the plans indicate the liner thickness will be 3 feet. Address whether sufficient onsite materials are available to meet this criteria and if not what will be done.



ABC

4. Specifications are needed for the testing of the liner, prior to filling the cell(s). Water Quality Rules And Regulations Chapter XI Sec. 18 (e)(i) states... Following construction, but prior to startup, a testing program shall be conducted to demonstrate the effectiveness of the sealing program . . .
5. According to the Geotechnical Report, if compacted soil is to be used to limit seepage losses, the underlying filled portions of the pond and embankments should be tested to determine whether a filter layer will be required beneath the liner. This needs to be addressed in the engineers report or specifications.
6. The liner material should extend at least 1 foot above the high water level of the cells.
7. Address whether the adjoining lands are to be irrigated and the effects it may have on the water table. The engineering report states that adjoining lands are not currently being irrigated, but the geotechnical report indicates that the lands will be irrigated.
8. Only one groundwater sample was collected and analyzed (DH-4). Background water quality cannot be determined from only one sample. At least one and preferably two water samples taken, two weeks apart, should be collected and analyzed. The water samples should be filtered for metals and TDS analyses. (Contact Kate Laudon 307-777-7091 for additional information prior to sampling).
9. Address and detail how the monitoring wells were constructed and completed. Include: location of perforations, sealing of annular space, capped, gravel packed, etc.
10. A groundwater monitoring program will be required at this site. Propose a monitoring program which includes; sampling frequency, sampling methods, parameters, reporting, etc. (Contact Kate Laudon for additional information).
11. Erosion control on interior embankments needs to be addressed.
12. It is recommended that flagging be installed to discourage birds and waterfowl.
13. Grading around the site should be done in a manner such that runoff is diverted away from the disposal pits.
14. Three complete sets of plans, specifications, and design information are needed.
15. Sheet 2 of 2 indicates engineers fill material will be compacted to 90% standard proctor, the engineer's report states engineers fill will be compacted to 95% proctor. Clarify.

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

cc: Kate Laudon



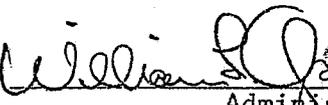
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

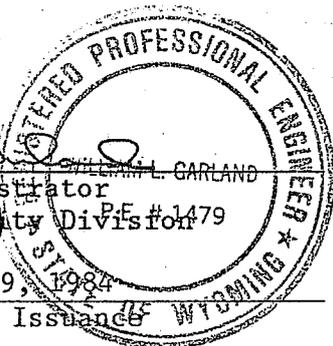
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

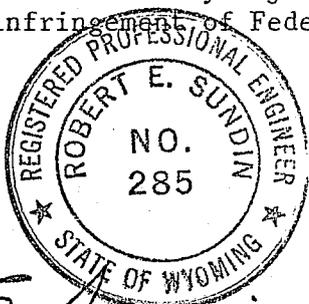
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
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.

xc: Chuck Plummer (w/plans)  
HDR, Inc.  
8404 Indian Hills Drive  
Omaha, Nebraska 68114



# Department of Environmental Quality

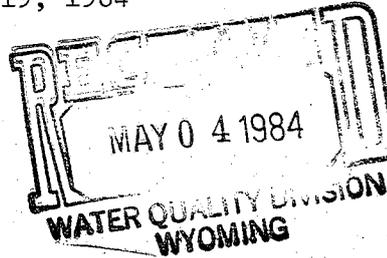
## Water Quality Division

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

April 19, 1984



Mr. Jeff Smith  
City Engineer  
City of Gillette  
P.O. Box 3003  
Gillette, Wyoming 82716

Dear Jeff,

I am writing this to accompany Permit to Construct 84-125R, for the interim construction at Gillette's municipal sewage treatment plant. While we have reviewed the drawings, specifications and calculations, and have authorized the project, we are not entirely confident that the additional capacity will be sufficient to allow the plant to comply with Gillette's NPDES Permit beyond the near future. We are well aware the City intends to perform additional plant upgrading as soon as sufficient funding can be obtained.

What I wish to emphasize is that, short of full construction of all the future improvements shown on the drawings, substantial improvement in discharge quality could probably be achieved by adding just the second new aeration basin and additional blower capacity. In the event that the plant's effluent becomes unacceptable, and full funding remains out of reach, this is something I feel the City should consider.

If you would like to discuss this further, please feel free to call or write me.

Yours truly,

*Tom Mueller*

Tom Mueller  
District Supervisor

TM:ls

Enclosure

xc: Tom Conrardy  
Alan Edwards  
Chuck Plummer  
Larry Robinson  
Jake Strohman  
John Wagner

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Gillette  
Wastewater Treatment Facility  
Project No. 1

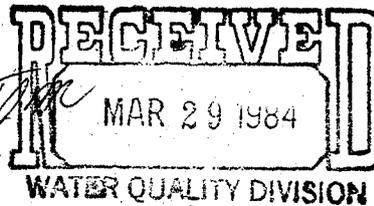
ARCHITECT OR ENGINEER: Chuck Plummer  
Henningson, Durham and Richardson  
8404 Indian Hills Drive  
Omaha, Nebraska 68114

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-125

REVIEWING ENGINEER: Tom Mueller

DATE OF REVIEW: March 28, 1984

ACTION: Not Authorized for Construction



COMMENTS:

1. Several questions have arisen in this office concerning the process flow diagrams and overall process loading. We realize that the Project No. 1 facilities are intended to be interim; however, funding for additional improvements is currently believed to be several years in the future, and these questions have become serious concerns. Please forward justification for the following items:
  - a. The facilities appear to have been designed to achieve an even flow split between the new and existing facilities, despite the fact that the existing facility has substantially more aeration volume than the new one. The peak flow split shown is even further skewed, with 56% of the flow utilizing 43% of the aeration volume. There is also the question of why, and how, the peak flow split should be different from the average. Flow splitter No. 4 would not seem sufficiently sophisticated to achieve this.
  - b. Design parameters appear to be sub-marginal for both new and old aeration basins. Aeration basin detention times are shown as 4.6 hours and 6.3 hours respectively, whereas 8-9 hours would be more suitable for facilities without primary clarification. Likewise, the lb. BOD/1000 CF/Day loadings are 72 and 54 respectively, whereas 40 would be more conservative.
  - c. Ten States Standards would require air supply capacity of 1500 CF per lb. BOD applied at peak loading. This is approximately twice what is proposed for the new facilities.

Please submit design calculations justifying the above described loadings.

City of Gillette, Wastewater Treatment Plant  
Project No. 1, Ref. No. 84-125  
March 28, 1984  
Page Two

2. Please submit information verifying that all new process structures, mechanical equipment and electrical equipment shall be protected from damage by the 100-year flood; and that all facilities will remain accessible and operational during the 25-year flood.
3. Please submit 3 copies (blanks enclosed) of an Application for Permit to Construct.



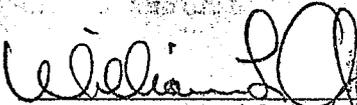
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

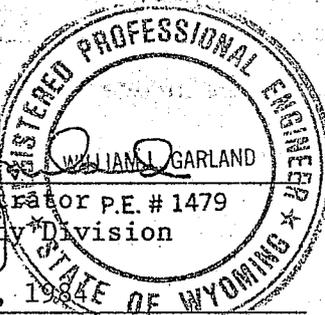
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

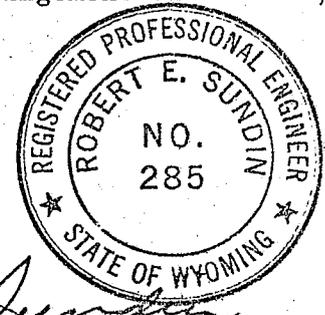
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
March 29, 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.

xc: Bearlodge Engineering (w/plans)  
P.O. Box 130  
Sundance, WY 82729

4-12-89

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-127

MA 14068

Galaxy Estates  
(Name of Facility)

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

B. M. Yukovich

Colorado Real Estate & Development Company

5650 E. Evans, Suite 200

Denver, CO 80222

to construct, install, or modify a public water supply and wastewater collection systems facility according to the procedures and conditions of the application No. 84-127. The facility is located in Section 17, 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.

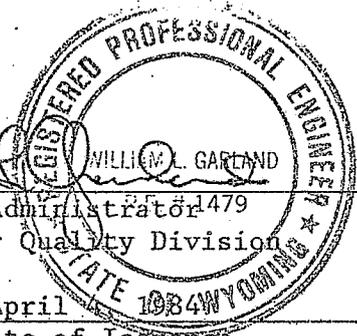
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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.

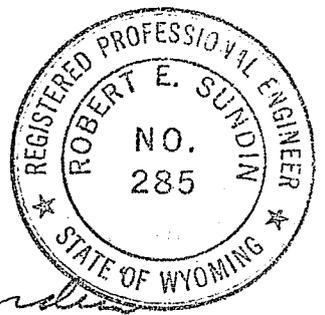
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

*William L. Garland*  
WILLIAM L. GARLAND  
Administrator #1479  
Water Quality Division  
April 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: Jon Anderson  
AVI Engineers  
1700 Westland Road  
Cheyenne, WY 82001



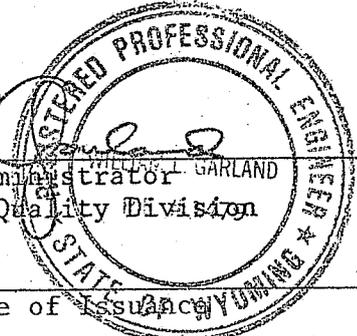
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

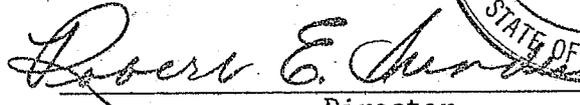
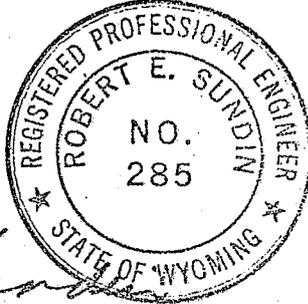
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


  
\_\_\_\_\_  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


April 3, 1984  
\_\_\_\_\_  
Date of Issuance

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

EB:dcn

MEMORANDUM

TO: Plans #84-128 - Byron Sanitary Sewer Improvements  
FROM: Jeff Hermansky *EH* *Er J.H.*  
DATE: March 29, 1984  
SUBJECT: Phone Review

On March 29, 1984, I conducted a phone review of Byron's sanitary sewer improvements for 1984. I made the following comments to Philip Stuckert.

1. On sheet 7, the detail of a typical sanitary sewer service, the connection must be made by a wye or tee, not by saddle or banding.
2. Three copies of the application form must be submitted.
3. There is an error in section 02430, 2.01.2. ASTMD3032 should be ASTMD3034.

JH:dcn

AC



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

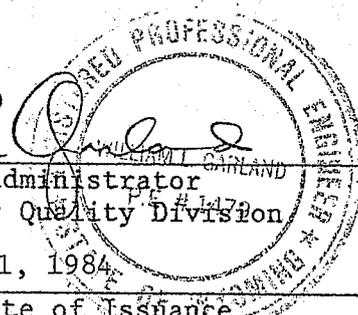
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

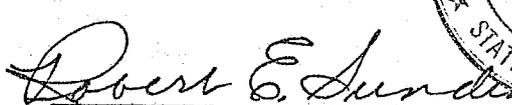
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

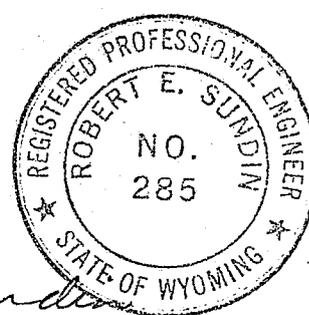
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
May 31, 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: Duane M. Peterson  
Peterson & Wanlass Engineering  
7107 S. 400 W. #1  
Midvale, UT 84047

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: The Bluffs Subdivision, Third Filing

ENGINEER: Peterson & Wanlass Engineering  
Duane Peterson  
7107 So. 400 W. #1  
Midvale, UT 84047

OWNER: Janss Corporation  
601 Pacific Avenue  
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 84-129

REVIEWING EVALUATOR: Jack Bedessen *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. The owner/operator of the facility must sign the application form.
2. Specifications are needed for pipe material, fittings, testing, trench excavation, bedding, etc. It states on the plans that all work will be done in conformity to the Rock Springs City Standards. The City of Rock Springs uses the Wyoming Public Works Standard Specifications. If these specifications are to be used it should be noted on the plans.
3. A letter from the City of Rock Springs should be submitted indicating that they will accept the sewage from this subdivision.
4. A profile of the sewer line from MH 14 + 48 through the park to the existing sewer line is needed.
5. The plans need to be signed by a registered professional engineer.

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

*ABC*



THE STATE OF WYOMING

RECEIVED  
DEC 18 1985  
WATER QUALITY DIVISION  
WYOMING  
ED HERSCHLER  
GOVERNOR  
Kowa

Department of Environmental  
Quality  
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

December 18, 1985

Bryan Resources and Engineering  
P. O. Box 1199  
Powell, WY 82435

Dear Mr. Bryan:

We have received your response that the holding tank project has been cancelled. Your application, No. 84-130, is being returned since 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 you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules and Regulations, must be followed.

Sincerely,

William L. Garland  
Administrator

WLG/BL/jw

Norma



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 6, 1985

CERTIFIED P 399 271 393

Mr. Richard C. Bryan  
Bryan Resources & Engineering  
P.O. Box 1199  
Powell, WY 82435

Dear Mr. Bryan:

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: Bryan Resources & Engineering

DEQ/WQD Reference Number: 84-130

Engineering Consultant: Bryan Resources & Engineering

DEQ/WQD Review Engineer: Steve Gerber

Date of DEQ/WQD Review: April 9, 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 thirty (30) days.

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

Other Remarks: \_\_\_\_\_

\_\_\_\_\_

You are reminded that the construction, installation, or modification of any sewage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes, and is punishable with a fine not to exceed \$10,000 for each day of violation. Unless the Water Quality Division review engineer receives information concerning the status of this project within fifteen (15) days of the receipt of this letter, follow-up action will be taken.

Sincerely,



Steven P. Gerber, P.E.  
Water Quality Engineer

SG/jw

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Bryan Resources & Engineering Inc.

ENGINEER: Richard C. Bryan  
Bryan Resources & Engineering  
P. O. Box 1199  
Powell, WY 82435

OWNER: Same as above

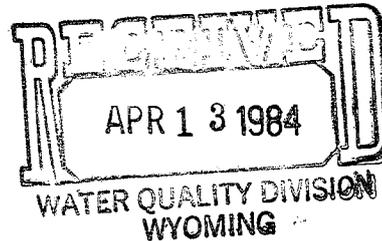
WATER QUALITY DIVISION REFERENCE NUMBER: #84-130

REVIEWING ENGINEER: Ed Baruth *Ed*

DATE OF REVIEW: April 9, 1984

ACTION: Not authorized.

COMMENTS:



1. This department does not permit the installation of holding tanks for use in waste disposal, unless they are: (a) temporary; (b) involve unusual needs.

Please provide a description of the wastes to be disposed of and a description of why a holding facility is needed.

2. The statement from Kraus Tank Service must also include exactly which approved disposal site will be used.

EB: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.

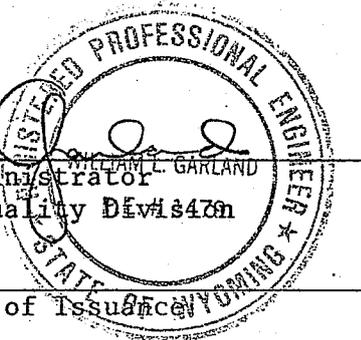
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

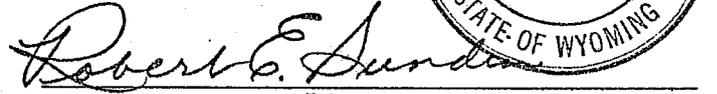
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

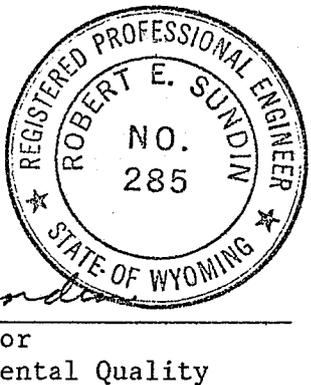
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
April 23, 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.

\* CONDITION ON PERMIT \*

This permit is issued with the requirement that the permittee shall notify representatives of Teton County 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 Teton County representative can be contacted at the following address:

Joe Chalfant  
Teton County Sanitarian  
P. O. Box 1727  
Jackson, Wyoming 83001

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: Alta School Wastewater Facility

ENGINEER: Jim Critchfield, P.E.  
Energy Research and Design, Assoc.  
Box 3177  
Jackson, WY 83001

OWNER: Teton County School District No. 1  
P. O. Box 568  
Jackson, WY 83001  
Attention: Thomas Cusack or David LaPlante

WATER QUALITY DIVISION REFERENCE NUMBER: #84-131

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: April 12, 1984

ACTION: Not authorized.

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

1. The enclosed application form needs to be completed and signed by an authorized representative of the School District.
2. We are unable to evaluate the proposed system for compliance with standards since we don't have any design information.

How many students, faculty and staff are to be served by the facility?

Are there showers and a cafeteria in the school?

What numbers did you use for flow in your design?

3. What is the percolation rate and type soil in the area of the proposed leach field?
4. What is the distance between the Driggs water main and the proposed leach field?
5. The perforated leach pipe in the proposed field should be laid level, not at 1/8" per foot as listed in the notes on Sheet M-5.
6. The specifications state that the disposal field area should be graded and level to blend in with the site. Section A-A and the notes on Sheet M-5 show the backfill humped over the disposal field. Please make the plans and specifications consistent.

Feel free to contact me if you have any questions.

JH:dcn

5-2-87

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

\* CONDITION \*

Permit No. 84-132  
MA 14068

Town of Pinedale - Lake Street Waterline Extension.  
(Name of Facility)

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

Town of Pinedale  
P. O. Box 709  
Pinedale, WY 82941

to construct, install, or modify a provide a loop in the existing  
system, increasing supply to users.

facility according to the procedures and conditions of the  
application No. 84-132. The facility is located in   
Sec. 3 & 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 dur-

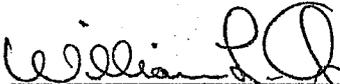
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

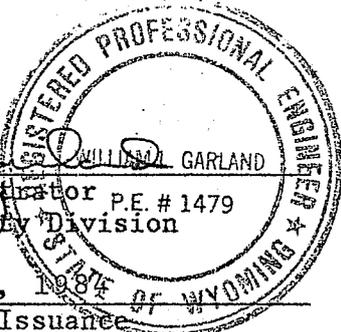
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

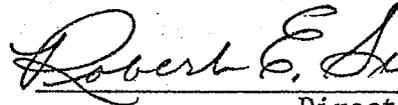
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

  
WILLIAM GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
April 27, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

\* CONDITION OF PERMIT \*

This permit is being issued so that the installation of the described waterline maybe completed prior to the intrusion of rising groundwater levels, with the intent that a water system pressure analysis for the area be submitted to this office, DEQ/Water Quality Division, 165 East Railroad Avenue, Green River, Wyoming 82935, by June 30, 1984.

JB:mpm

cc: Clay McAlpine  
609 E. Madison  
Riverton, WY 82501



Department of Environmental Quality  
Water Quality Division

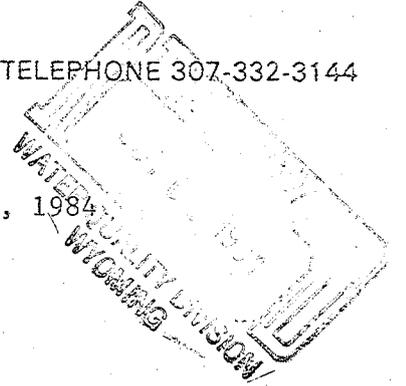
210 LINCOLN STREET

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)

6-25-87

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-133RR  
MA 14089

WATER AND WASTEWATER FACILITIES FOR SHUTE CREEK MANCAMP  
(Name of Facility)

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

EXXON COMPANY USA, INC.

P. O. BOX 1600

MIDLAND, TEXAS 79702

to construct, install, or modify a water supply, treatment (reverse osmosis),  
storage tank and distribution system; wastewater collection and treatment system; to  
serve a 1300 person mancamp facility according to the procedures and conditions of the  
 application No. 84-133RR. The facility is located in \_\_\_\_\_  
Sec. 14, T22N, 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.

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

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

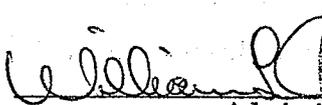
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

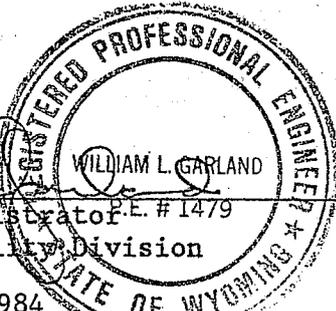
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

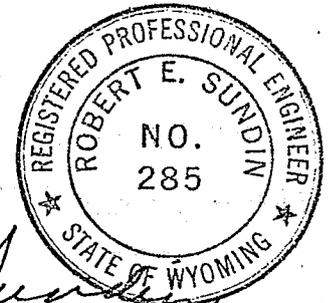
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
June 14, 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 Jon L. Anderson  
AVI  
1700 Westland Road  
Cheyenne, WY 82001

returned plans to Norma  
Green River 4-27-84

Water Quality Division  
Groundwater Section  
Permit Application Review

Application Number 84-133

Date Submitted For Review 4-16-83

Name and Location of Facility Shute Creek Man Camp  
Sec. 14 T22N, R112W Lincoln Cty

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 4-26-84

Approved 4/26/84  
(Date)

ajm  
(Signed)  
Groundwater Control Supervisor

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: Shute Creek Man Camp (Exxon)

ENGINEER: Jon L. Anderson  
A.V.I.  
1700 Westland Road  
Cheyenne, WY 82001

OWNER: Exxon Company, USA  
ATTN: Bill Grady  
P. O. Box 1600  
Midland, Texas 79702

WATER QUALITY DIVISION REFERENCE NUMBER: 84-133

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: April 24, 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:

GENERAL

1. A "Permit to Construct" will be needed for the surface water runoff detention pond. Include an application form, inlet and outlet details, and design criteria. No NPDES Permit will be needed for this facility, however routine visual monitoring of the effluent should be performed.
2. All treatment processes, structures, mechanical equipment and electrical equipment shall be protected from the 100 year flood. The treatment facilities shall remain fully operational and accessible during the 25 year flood. Address the 25 year and 100 year flood levels in relation to water and wastewater facilities.
3. Three complete sets of plans, specifications, and design information need to be submitted to this office. Only two sets were initially submitted. The plans and specifications need to be signed by a registered Wyoming Professional Engineer.
4. The application for "Permit to Construct" needs to be signed by owner/operator of the facility.

WASTEWATER SYSTEM

1. Typical profile details of the sewer riser and service connection for the R.V. Lot and Man Complex are needed. Refer to Chapter 11 Water Quality Rules And Regulations, Part F.

WASTEWATER SYSTEM - Continued

2. Sheet 6 of 10 shows the use of pipe insulation. A detail and specifications for this insulation is needed.
3. Water line and sewer line separation distances (horizontal, vertical) should be noted or dimensioned on the plans.
4. Sheet 8 of 10 indicates that a PVC liner will be installed in Cells A, B, and C of the wastewater lagoons. Specifications are needed for this liner. Include thickness, and construction specifications (base and cover material, density, compaction, etc.).
5. Specifications are needed for the construction of the wastewater lagoon floor and dikes (clearing, grubbing, material, density, compaction, etc.). Refer to Chapter 11, Part B, Section 18.
6. Flow controls should be placed on the wastewater lagoon inlet, interconnecting piping, and outlet. At a minimum, a shutoff valve should be placed on the Cell C outlet.
7. A plan and detail of the lagoon effluent discharge pipe or trench to Shute Creek is needed. Include any structures or rip-rap.

WATER SYSTEM

1. Typical profile details of the water riser and service connection for the RV Lot and Man Complex are needed. Refer to Chapter 11 Water Quality Rules And Regulations, Part F.
2. Plans, specifications and design criteria are needed for the finished water storage reservoir and pump station. Refer to Ten States Standards. (sizing, elevations, appurtenances).
3. Fire protection is to be provided. Address whether the water system can provide a minimum pressure of 20 psi at all points in the distribution system under all flow conditions.
4. Address fire protection methods (hydrants, sprinkler system, pumper, etc.). Include hydrant locations if they are to be provided.
5. Shop drawings and/or plans need to be provided for the water treatment system. (R.O. units, filters, softeners, deionizers, decarbonators, pump station, etc.)

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

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

*Normal  
Ret to  
Sheridan  
6/12*

APPLICATION NUMBER

RANCHESTER (ASSOCIATE 84-134)

DATE SUBMITTED FOR REVIEW

NAME AND LOCATION OF FACILITY

TOWN OF RANCHESTER  
OLD LAGOON SITE

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

- ( ) No comment. The submittal is consistent with current groundwater protection procedures and requirements.
- () Comments attached.

SIGNED

Richard Lunn

TITLE

Eng. Eval

DATE

6/12/85

ACCEPTED FOR RECORD

(Date)

Jake Stohman

Groundwater Control Supervisor

To: Rich Ruyle, District Supervisor  
From: Richard Lennox, Engineering Evaluator   
Date: June 12, 1985  
Subject: Abandonment of Old Ranchester Wastewater Lagoon

1. I have reviewed your memo along with the attachment and have the following comments:

a. I agree that the lagoon has been contributing to the local groundwaters for some unknown period of time; however the flow that has been entering the local groundwater regime has been somewhat diluted, as is the discharge in accordance with the NPDES discharge permit.

b. Since the sludge has not been characterized either chemically or biologically it would be difficult to make a definitive decision as to whether or not burying it in-place would contribute to further groundwater pollution.

c. Based on technical literature available it is reasonable to state that burying sludge in place without any chemical or biological stabilization could lead to local health and nuisance problems. With no liquid present or flowing through the sludge and therefore causing a dilution effect it would be possible for a number of pathogens, including bacteria, parasites, protozoa and viruses to be concentrated in a compacted layer below the surface. Additionally, this compacted layer of highly organic material could be subjected to gasification thereby causing a continuing nuisance odor problem.

2. All of this may be already taken care of since I have been informed that the Town of Ranchester has applied for a Farm Loan Board grant in order to reclaim to existing old lagoon site. The loan / grant application stated "including removal of sludge from the site, ...and reseeding of the area" (selected pages from the application attached). The grant was awarded.

3. Based on paragraphs 1 and 2 above I recommend that the sludge be removed from the existing old lagoon site.

cc: A.J. Mancini, Groundwater Control Supervisor  
File

P.S. Rich, you may want to talk to the  
Lander Office and discuss the problems the  
town of Lander had with their sludge.

# Town of Ranchester

P.O. BOX 236  
RANCHESTER, WY 82839

August 7, 1984

Howard Schrinar  
Commissioner of Public Lands  
Wyoming Farm Loan Board  
2424 Pioneer Avenue  
Cheyenne, WY 82002

Dear Mr. Schrinar:

On behalf of the Town of Ranchester, I am submitting this application for a Coal Excise Tax Grant in the amount of \$110,000 and a loan for \$31,000 to be used to make the following improvements to the Town's sewer system.

1. Reclamation of the existing old lagoon sites, including removal of sludge from the site, grading and leveling the dikes, and reseeding of the area.
2. Sewer line reconstruction including the replacement of existing clay tile sewer lines and deteriorating manholes, and installation of manholes at the ends of several lines that lack manholes.
3. Sewer line construction: This includes construction of a new 8" sewer line to the new outfall line from the intersection of Second Avenue West and H Street.

The total project cost will be ~~\$141,000~~. As opposed to the 50% grant request, the Town is requesting a 78% grant because of unavailable local funds. This is the same percentage in grant funds the Farm Loan Board made to Ranchester to aid in constructing the new lagoon and sewer interceptor line. The Town Council will increase the sewer rates to obtain the revenue to pay back the loan.

This application is the fifth request for an ongoing sewer improvement project. Initially, the Farm Loan Board helped finance acquisition of the new lagoon site along with site preparation. This first grant was used in conjunction with the 601 FmHA grant and local funds. The second grant from the Farm Loan Board was to help finance the design of the aerated lagoon and sewer interceptor line. The third request was to finance part of the construction of the new lagoon. The fourth request was to complete the lagoon and sewer interceptor line.

The Town Council appreciates your assistance.

Sincerely yours,



P.C. Davis, Mayor

## PROJECT DESCRIPTION

The improvements to the Ranchester Sewer System is to be in three parts.

With the construction of a new Sewage Treatment Plant. the existing two cell sewer lagoon system is to be abandoned. The City wants to eliminate the potential health problem with sewage, sludge and fill in the cells and reclaim the land. This would be the first part of the system improvements.

1. Reclamation of the existing old lagoon site including removal of raw sludge from the site, grading and leveling the dikes and reseeding of the area.

The second part of the improvement is a result of the EPA 201 Facility Plan which listed recommendations to improve the existing system.

2. Replacement of existing deteriorated clay tile sewer lines, replacement of deteriorating manholes (cast-in-place with no bottoms) and the installation of manholes at the ends of several lines that lack manholes.

The final phase includes the construction of a new 8" sewer line which will connect into the new outfall line. This line will be constructed deep enough to eliminate a lift station and relieve the City's maintenance.

3. Construction of the 8" sewer line from the intersection of Second Avenue West and "H" Street to the new outfall line in Halbert Street.

The map on the following page shows the location of the project.

84-134



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

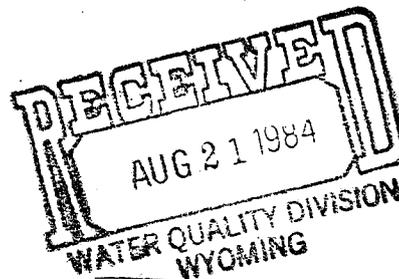
SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

August 20, 1984

Mr. Phil Davis, Mayor  
Town of Ranchester  
P.O. Box 236  
Ranchester, Wyoming 82839

Mr. Roger Reich  
Engineering, Inc.  
45 East Loucks  
Sheridan, Wyoming 82801



Gentlemen:

This letter accompanies your Permit to Construct the new Ranchester waste-water treatment lagoons. It is intended to point out and explain the reasons for the Conditions.

Condition 1, requiring flap valves on all discharges, is intended to help prevent river water from backing up into and flooding the lagoon area, either through the main discharge or the groundwater control well system, in the event of very high river levels.

Condition 2 is merely to allow the lagoon to be constructed in the manner you have indicated is most economical. The condition does not in any way endorse or encourage the substitution described, it merely allows the substitution.

Conditions 3 through 8 describe an overall groundwater monitoring program which the Town must institute. The purpose of the program is twofold. First, it is intended to indicate at any time whether or not pollution of the groundwater is occurring due to the presence of the lagoons. As you are aware, concern in this regard has been voiced from various quarters. Secondly, the program is intended to protect the lagoon linings from damage due to high groundwater by monitoring the condition, operation and effectiveness of the groundwater control wells. Record keeping and regular and emergency reporting to this agency are also required.

August 20, 1984  
Page Two

There is no question that the monitoring conditions will add to the workload of the plant operator. They are unquestionably necessary, however, and I feel that all parties involved have been aware of that situation for some time. Thank you for your cooperation.

Yours truly,



Tom Mueller  
District Supervisor

TM:ls

Enclosure

xc: FmHA, Casper  
Harold Herman, Town of Ranchester  
Tony Mancini, WQD Cheyenne  
Jake Strohman, WQD Cheyenne



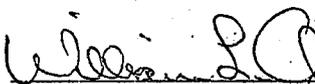
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

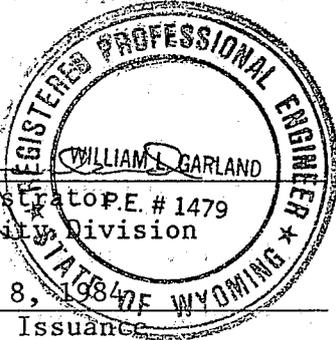
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

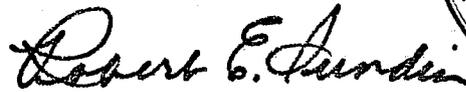
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

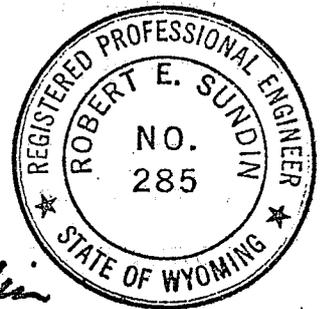
AUTHORIZED BY:

  
WILLIAM J. GARLAND  
Admin. State P.E. # 1479  
Water Quality Division  
August 8, 1984  
Date of Issuance





Director  
Dept. of Environmental Quality



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

Attachment

xc: Roger Reich, Engineering, Inc.

CONDITIONS TO PERMIT TO CONSTRUCT #84-134R

RANCHESTER SEWAGE TREATMENT FACILITY

1. Flap valves shall be installed on all outfalls from the sewage treatment area. In particular, flap valves shall be installed on the outfall where treated sewage is discharged to the Tongue River, and on the two six-inch dewatering well discharges.
2. The membrane liner called for in the specifications may be replaced by a combination of:
  - a. a non-reinforced liner of equal thickness, chemical resistance, sunlight resistance and manufacturer's quality assurance, and
  - b. a non-degradable geotextile, installed below the membrane, having strength properties equivalent to those of the liner reinforcing described in the specifications.
3. Adequacy of the permanent groundwater dewatering system shall be assessed before introduction of any wastewater into the lagoons. Such assessment shall take into account the ability of the system to lower groundwater levels during construction and liner installation. Frequent groundwater level measurements will be required to assure this ability. In no case shall wastewater be admitted to the lagoons if there is any indication that groundwater cannot be controlled by the well system.
4. For the purpose of protecting the pond liners, records shall be maintained on the operation and maintenance of the dewatering system. These records shall include the following:
  - a. Individual well pumping rates and pumping time intervals;
  - b. Static water levels in the wells and ponds:
    - i) daily measurements;
    - ii) measurements made when a decrease in pond levels occurs;
    - iii) measurements of groundwater levels which reflect changes induced by pumping pattern changes;
  - c. well maintenance;
  - d. well performance;
  - e. characteristics of the discharge, such as color, odor, and turbidity.
6. The permittee shall institute a program of groundwater quality monitoring. The program shall comply with the following, at a minimum:
  - a. Groundwater from two of the dewatering wells shall be sampled once per month. The samples shall be taken at different wells every month, such that all wells are sampled with equal frequency.

Conditions for Permit to Construct #84-134R  
Ranchester Sewage Treatment Facility

- b. Samples shall be analyzed for the following parameters:
    - Biochemical Oxygen Demand, Five Day (BOD5)
    - Fecal Coliforms
    - pH (analyzed in field)
    - Total Dissolved Solids (TDS)
  - c. All sampling, handling, preservation and analysis of samples shall be done in accordance with the same requirements as for the permittee's NPDES self-monitoring.
  - d. The results, dates and locations of all sampling and analyses shall be permanently recorded, along with all pertinent observations made of the wells, sample appearance, and liner condition at the time of sampling.
7. The permittee shall submit, during the month of December, in every year during which the lagoons have contained wastewater, a report summarizing all groundwater level data, all dewatering operations, all pump and well modifications, all groundwater quality monitoring, and all trends and conclusions which can be drawn therefrom. Two copies shall be submitted to the Water Quality Division; one to the Sheridan District office, and one to the Groundwater Section in Cheyenne.
8. If at any time, groundwater monitoring data indicate that a leak in a lagoon liner has occurred, or groundwater levels indicate the lagoons are or may become buoyant, the permittee shall immediately notify the Water Quality Division of the situation. If a leak has occurred, or the lagoons are at or approaching a buoyant state, the permittee shall immediately undertake all steps necessary to insure or restore the integrity of the liner(s).

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of Ranchester  
Sewers, Interceptors and Lagoons

ARCHITECT OR ENGINEER: Roger Reich  
Engineering, Incorporated  
45 East Loucks  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NUMBER: ~~84-134~~ and 84-86

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: May 16, 1984

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

Groundwater Concerns

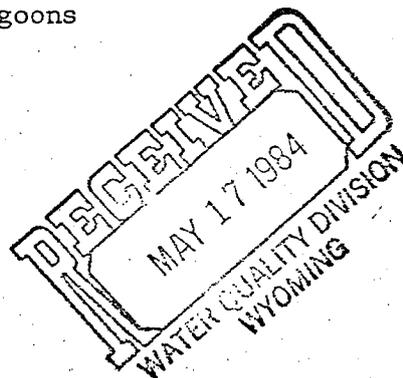
Enclosed are two review memos from the Groundwater Section of this agency, dealing with the proposed project. The April 26 memo deals with the dewatering system, and makes recommendations concerning operation and maintenance. The April 23 memo contains recommendations for groundwater quality monitoring. The Permit to Construct, when issued, will contain conditions on both of these issues. If the Town or design engineer wish to make any input toward these conditions, it should be done at this time.

Discharge Concerns

The Town currently has a discharge permit for the sewage lagoons. Additional permits and/or outfall numbers, either permanent or temporary, may be necessary for dewatering, however, for either the wells or temporary pumps placed in the excavations. Enclosed are application forms for such discharge permits. It is recommended that Mr. John Wagner of this Division (Cheyenne phone number 777-7781) be contacted for guidance in this regard.

General

1. Incorrect slopes are shown for the sewer reaches between manholes  
7 + 28 and 8 + 11  
31 + 82 and 35 + 60.8



2. The Chlorination Room must have positive ventilation controlled from outside the room, panic hardware on the door, and a bottle of ammonium hydroxide must be available.

The protective breathing apparatus and heater must be specified. The electrical drawings and plan on Sheet 10 should agree on placement of the viewing window.

3. The watering/washdown system, diverter solenoid, etc., at Well 7 must be shown.
4. Will check valves or flap valves be installed anywhere on the dewatering discharge lines?
5. Will the aeration blowers and emergency generator receive intake air from inside or outside the building? Where will the motorized damper be installed? Will there be any damper on the 18" x 18" louvered vent on the east wall?
6. The hypalon liner must have vents at high points along its perimeter to prevent damage from subsurface gas buildup.
7. Multiple level drawoffs, independently valved, are required for the final pond cell.
8. The propane/generator drawings on Sheet 13 indicate that the unit heater(s) will receive liquid, rather than gaseous, propane. Is this correct?
9. Electrical Drawings.
  - On the Control Schemes for the Chlorine Submersible Pump and Telephone Alarm, it appears that Auxiliary Contact C-1 should be normally closed, rather than normally open.
  - On the Telephone Alarm Control Scheme, how will the Auto-Dialer be prevented from functioning when the chlorinator is not in operation (winter months), the groundwater pumps are operating on manual, or the generator is being exercised?
  - What is the control voltage, and how will it be supplied?
  - On the one-line diagram, Pumps #13 and #14 should apparently be labeled #6 and #7.
  - Are the Dewatering Pump Motor Starters to be located within the building or at the wells? If in the building, where? If at the wells, detail #1 should so indicate.

Review of Plans and Specifications  
WQD Reference Nos. 84-134 and 84-86  
Town of Ranchester  
May 16, 1984  
Page Three

10. On the Contour Map, Sheet 9, please indicate the 10-year, 25-year and 100-year flood contours, to the extent they are known, can be calculated, or guessed at.
11. The Chlorine contact basin, Sheet 13, is not completely dimensioned.
12. Although fencing is specified, none is shown anywhere on the drawings.
13. Signing of the treatment plant is required.
14. The number of aerators described in Section 10-C of the specifications does not match the drawings. Will the 4" static tube aerators be used anywhere?
15. The copper pipe shown on the typical aeration lateral connection is not specified in Section 11-A.
16. Please complete and return an Application for a Permit to Construct for this project.

THE STATE



OF WYOMING

MA 14068

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*

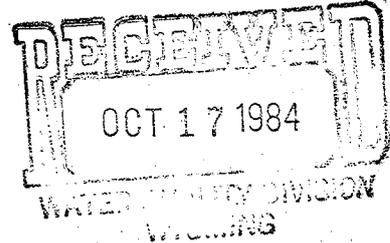
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

October 15, 1984



Mr. Elmer Kuball  
Alpha Engineering, Inc.  
21 North Main, #3  
Sheridan, Wyoming 82801

84-135R

Dear Mr. Kuball:

I have reviewed your recent submittal of additional information for the Sugarland Urban Manor Mobile Home Park septic system. The information satisfies our requirements for approval of a small wastewater treatment facility.

Because the system is already built, we cannot issue a Permit to Construct, but this letter serves essentially the same purpose.

Sincerely,

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

Rich Ruyle  
District Supervisor

RR:ls

aba



# Department of Environmental Quality

## Water Quality Division

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

October 4, 1984

Mr. Elmer Kuball  
Alpha Engineering, Inc.  
21 North Main, #3  
Sheridan, Wyoming 82801

Dear Mr. Kuball:

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:	Sugarland Urban Manor Mobile Home Park Septic System
DEQ/WQD Reference Number:	84-135
Engineering Consultant:	Alpha Engineering, Inc.
DEQ/WQD Review Engineer:	Tom Mueller
Date of DEQ/WQD Review:	April 11, 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. Elmer Kuball  
October 4, 1984  
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 Engineer

RR:ls

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Sugarland Urban Manor  
Mobile Home Park Septic System

ARCHITECT OR ENGINEER: Alpha Engineering, Inc.  
Attention: Elmer Kuball  
21 North Main, #3  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-135

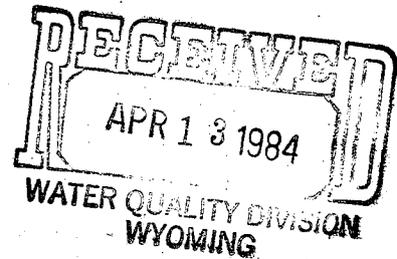
REVIEWING ENGINEER: Tom Mueller *TM*

DATE OF REVIEW: April 11, 1984

ACTION: Construction Not Approved

COMMENTS:

1. The system cannot be approved without two essential items of information:
  - a. Average percolation rates for the leach fields based on actual data;
  - b. Depth below the leach field to the groundwater, or an indication that it is greater than eight feet.
2. Although not an obstacle to approval at this time, this type of system would not be approved in new installations, as the leach field lies under vehicle traffic areas.
3. The plan drawing (sheet 10) itself should be signed by the engineer.



THE STATE OF WYOMING



*Norma*

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

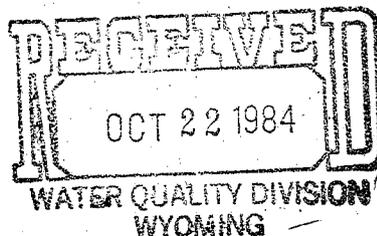
2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

October 17, 1984

Mr. J. E. Daume  
Chief Engineer - Region  
Burlington Northern Railroad  
2718 Montana Avenue  
Billings, Montana 59101



Dear Mr. Daume:

In accordance with your request on October 9, 1984, we have withdrawn from our files your application for a Permit to Construct the Burlington Northern On-Site Sewage Disposal System, WQD Reference Number 84-136.

Enclosed are the materials you submitted to our office for this project.

Sincerely,

*Rich Ruyle*

Rich Ruyle  
District Supervisor

RR:ls

Enclosures

xc: Norma Coulson



# Department of Environmental Quality

## Water Quality Division

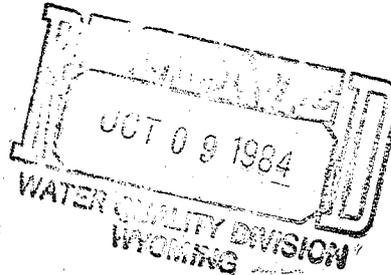
2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

October 4, 1984

Mr. J. E. Daume  
Chief Engineer - Region  
Burlington Northern Railroad  
2718 Montana Avenue  
Billings, Montana 59101



Dear Mr. Daume:

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:	<u>On-Site Sewage Disposal System</u>
DEQ/WQD Reference Number:	<u>84-136</u>
Engineering Consultant:	<u>Kenneth Bruestle, Burlington Northern</u>
DEQ/WQD Review Engineer:	<u>Tom Mueller</u>
Date of DEQ/WQD Review:	<u>April 11, 1984</u>

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

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 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. J. E. Daume  
October 4, 1984  
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 Engineer

RR:ls

Enclosure: Letter of 4/11/84

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

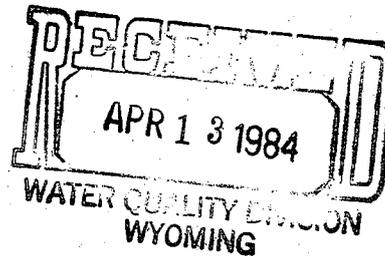
SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

April 11, 1984

84-136

Mr. J. E. Daume  
Chief Engineer - Region  
Burlington Northern Railroad  
2718 Montana Avenue  
Billings, Montana 59101



Dear Mr. Daume:

We have received your application for Permit to Construct an on-site sewage disposal system at a proposed depot in Sheridan County, Wyoming.

There are two problems with the application. First, the system design uses a percolation rate of 48 minutes per inch. Using the data presented, I am unable to arrive at that percolation rate. A further explanation of how the data was interpreted is required. I should point out that a subsurface disposal system cannot be authorized if the percolation rate exceeds 60 minutes per inch.

Secondly, and perhaps more importantly, the proposed depot is within the designated service area for the City of Sheridan's new municipal treatment facility. It is obligatory that any new sewage source within the service area be connected to the municipal sewer unless a variance can be obtained. To obtain such a variance in this case, the following items must be submitted to this office:

a) Detailed cost estimates for both the proposed on-site system and the construction that would be necessary to connect to the municipal sewer. Additional cost information for water systems, paving, etc., is neither required nor of value in making this cost effectiveness determination. The determination will be based solely on sewer system costs.

b) A statement from the City of Sheridan that they have no objection to the variance. I have spoken with Mr. Brian Borgstadt of the City Engineer's office, and he indicated that it may be necessary to approach the City Council directly on this matter. I would refer you to Mr. Borgstadt for further information in this regard.

Mr. J. E. Daume  
April 11, 1984  
Page Two

c) A statement from Sheridan County that they have no objection to the variance. I have spoken with Mr. Joe Hollingsworth, County Engineer, and he indicates that it would probably be best to approach the County Commissioners directly. Again, I would refer you to Mr. Hollingsworth for further information. (This statement is necessary because the City-County Intergovernmental Agreement has not yet been finalized.)

Please note that these items must clearly support the variance. A variance will not be granted unless it would be clearly and substantially more cost effective to do so, and both local governments are agreeable. Note further that the variance would be temporary, and the Permit to Construct would be conditioned to require connection to the City sewer under as-yet-undetermined future circumstances.

Yours truly,



Tom Mueller  
District Supervisor

TM:ls

xc: Brian Borgstadt  
Joe Hollingsworth  
Larry Robinson  
Jake Strohman



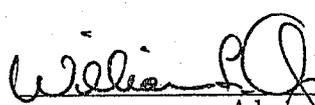
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

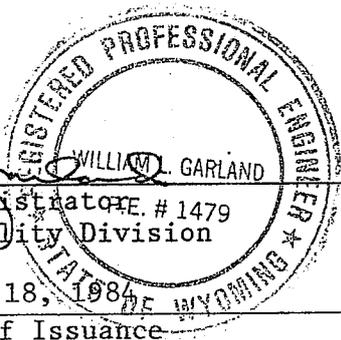
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

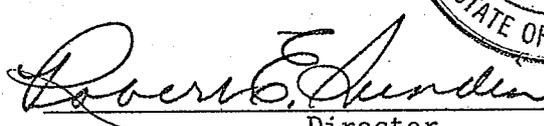
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

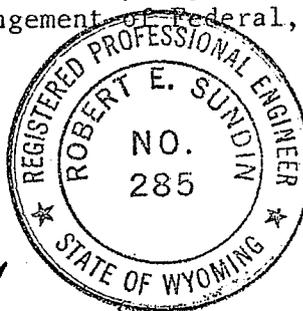
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM M. 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.

4-12-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-138  
 SEE SPECIAL CONDITIONS  
 MA 14089

Carlson Street Improvements  
 (Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a sanitary sewer and potable water line facility according to the procedures and conditions of the application No. 84-138. The facility is located in Section 19, 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.

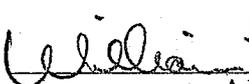
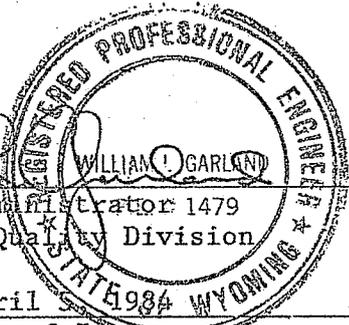
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

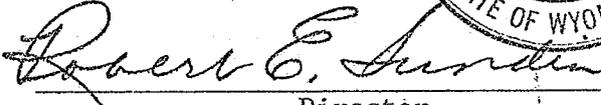
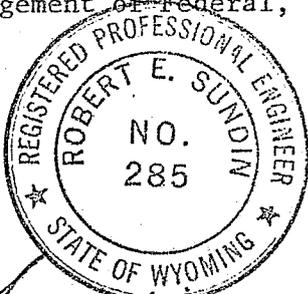
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
  
Administrator 1479  
Water Quality Division  
April 5, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

Conditions to Permit to Construct

1. An air release should be installed in the new 8-inch water line at station 11+00.
2. A valve should be installed in the new 8-inch water line at the intersection of Carlson Street and Townsend Place.

cc: Jim Voeller  
AVI  
1700 Westland Road  
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-139  
 MA 14068

Wiens Addition  
 (Name of Facility)

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

Town of Mills  
P.O. Box 789  
Mills, WY 82644

to construct, install, or modify a municipal wastewater collection facility according to the procedures and conditions of the application No. 84-139. The facility is located in Wiens Addition, Section 6, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

  
\_\_\_\_\_  
REGISTERED PROFESSIONAL ENGINEER  
WILLIAM L. GARLAND  
PE # 1479  
Water Quality Division  
STATE OF WYOMING  
April 6, 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: Terry L. Titus  
Worthington, Lenhart, Carpenter & Johnson, Inc.  
632 South David Street  
Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-140  
MA 14068

Eastgate III - Phase III  
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a potable water mains and sanitary sewers in East 19th Street and a portion of Cornwell and Brighton Streets facility according to the procedures and conditions of the application No. 84-140. The facility is located in Section 18, T33N, R78W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

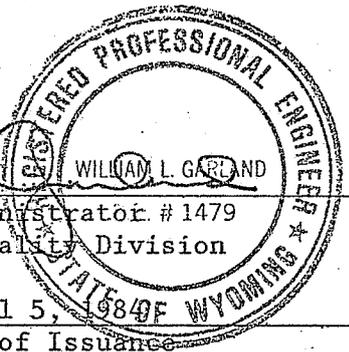
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

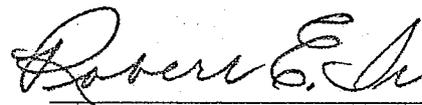
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

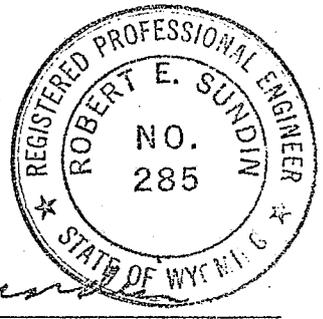
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
APR 5 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

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

6-7-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-141R

MA 14089

Brooks-Mills Interceptor Sewer  
 (Name of Facility)

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

City of Casper

Natrona County Joint Powers Board No. 2

200 North David Street

Casper, WY 82601

to construct, install, or modify a municipal wastewater collection system, metering station, and 3-barrel siphon facility according to the procedures and conditions of the application No. 84-141R. The facility is located in Section 6, 7, 8, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

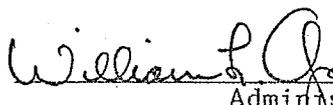
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

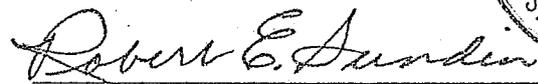
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING

June 4, 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  
Howard Needles Tammen & Bergendoff  
P.O. Box 3478  
Casper, WY 82602



*Department of Environmental Quality*

*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 29, 1984

Dave Hill  
Casper Board of Public Utilities  
200 North David  
Casper, WY 82601

RE: Mills-Brooks Interceptor, DEQ/WQD Ref. No. 84-141R

Dear Dave:

Enclosed are the biddability/constructibility comments from the Corps of Engineers. Sorry for the delay but I assumed that you automatically received a copy. We will not require that you respond or adhere to their comments but we do feel that they are reasonable and would improve the plans and specifications.

I do not plan to make a final review of the project until the applicable comments of our April 24, 1984 letter are addressed and to see if any more addendums will be coming due to the Corps comments or other changes.

Sincerely,

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

Thomas S. Norman  
Water Quality Engineer

TSN/nc

cc: Clyde Dolan  
HNTB  
P.O. Box 3478  
Casper, WY 82602

84-141

Casper  
Old File #1

Dave Hill 4/13/84 8:30am  
Casper Board of Public Utilities  
Joint Powers Board No. 2, Brooks-Mills  
Interceptor

Dave called to say that there were some minor changes to the project and that they were sending down five more sets of plans and specifications. The main change was in specifying clay pipe instead of glass-lined ductile iron. These plans and spec's do not include the EPA inserts because these are the bidding documents to be used for the non-EPA funded construction.

I told Dave the questions about the electrical and telemetry diagrams for the flow recorder vault and the question of whether the vault would be considered an electrical high hazard area. He will check on these and send information in on them when he forwards the plans and specifications.

Phone  
review

LAE



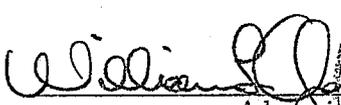
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

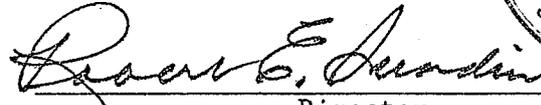
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

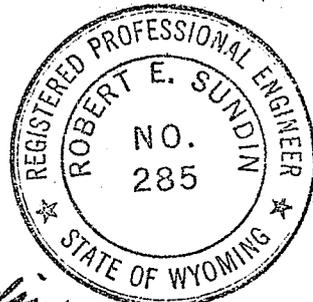
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Adminisrator  
Water Quality Division  
PE #1479  
May 1, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

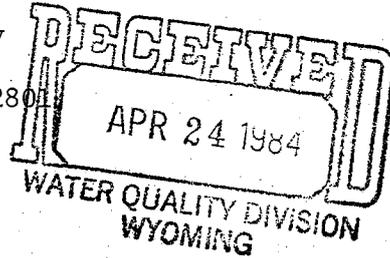
xc: Robert Mattson  
1000 Kiewit Plaza  
Omaha, Nebraska 68131

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Big Horn No. 302 Reservoir

ARCHITECT OR ENGINEER: Robert W. Mattson  
c/o Marlin Holm  
Big Horn Coal Company  
P.O. Box 724  
Sheridan, Wyoming 82801



WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-142

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: April 19, 1984

ACTION: Not Authorized for Construction

COMMENTS:

The drawings, specifications and calculations for the reservoir are acceptable. They indicate, however, that the reservoir will be dewatered by pump when effluent conditions are met, and this information has been supplied for numerous other reservoirs at the Big Horn Mine. Please submit a summary of such reservoirs and the overall capacity of pumps available at the mine for this purpose in order to assure that all the various ponds could be dewatered, as necessary and within NPDES quality and time limitations, following a major storm event.

Water Quality Division  
Groundwater Section  
Permit Application Review

A-17-84  
Norma  
Ret to Sheridan

Application Number 84-142

Date Submitted For Review 6 APRIL 1984

Name and Location of Facility BIG HORN COAL CO.  
BIG HORN MINE NO. 302 RESERVOIR  
SHERIDAN WY. 82801  
SHERIDAN 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 Lanning  
Title Env. Evaluator  
Date 4/16/84

Approved 4/16/84  
(Date)

AGM  
(Signed)  
Groundwater Control Supervisor

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-143  
MA 14089

East Lincolnway Addition  
(Name of Facility)

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

Cheyenne Board of Public Utilities

P.O. Box 1469

Cheyenne, WY 82003

to construct, install, or modify a 6 inch water line in Wills Road and an 8 inch sewer in Holmes Street facility according to the procedures and conditions of the application No. 84-143. The facility is located in Section 34, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

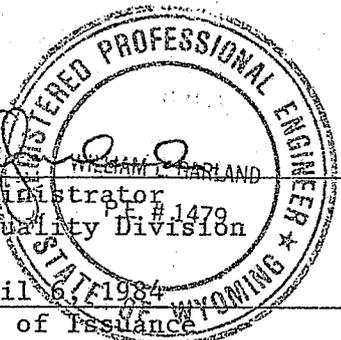
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

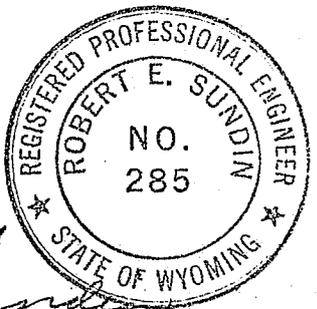
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

cc: James D. Voeller  
AVI  
1700 Westland Road  
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.

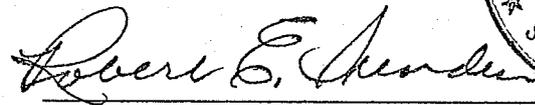
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
REG. # 2279  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING

Administrator  
Water Quality Division

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

Director  
Dept. of Environmental Quality

April 9, 1984

Date of Issuance

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

EB:dcn

7-15-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-145RR

\* CONDITION ON PERMIT \*  
MA 14068

PAINTER ESTATES MOBILE HOME TRACTS  
(Name of Facility)

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

Mrs. Garnet Cary

P. O. Box 1931

Cody, WY 82414

to construct, install, or modify a water production and distribution system, 5,000 gal. water storage tank, sewage collection system and 7,000 gal. septic tank and 6,000 ft<sup>2</sup> absorption bed facility according to the procedures and conditions of the application No. 84-145RR. The facility is located in \_\_\_\_\_

Section 4, T56N, R106W

\_\_\_\_\_ in the County of Park,

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 dur-

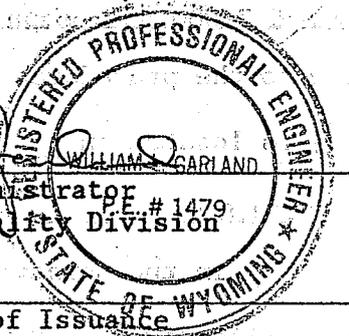
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

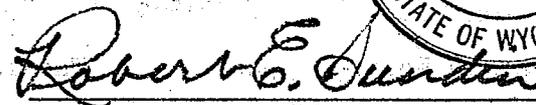
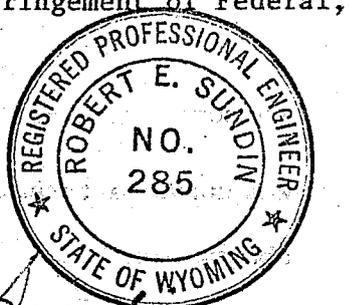
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


August 8, 1984

Date of Issuance

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

\* CONDITION ON PERMIT \*

Before backfilling the septic tank/absorption bed system, the applicant is to contact the Park County Planning office for their inspection of the improvements. Please give Mr. Tim Morrison, at 587-2204, a minimum of 48 hours prior notice before the expected inspection. If Mr. Morrison is unavailable, personnel from the Department of Environmental Quality in Lander will make the inspection. The Department of Environmental Quality, Water Quality Division phone number is 332-3144.

EB:dcn

cc: EPA, Denver--Leslie Reiter  
Tim Morrison, Park County Planner

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Painter Estates Mobile Home Tracts

ENGINEER: Bruce E. McKee  
Box 1653  
Red Lodge, Montana 59068

OWNER: Mrs. Garnet Cary  
Box 1931  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #84-145 R

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: April 26, 1984

ACTION: **Not authorized.**

COMMENTS: Your response to my April 17th review letter has left some items unresolved. Please respond to the following:

1. Three sets of plans are required for resubmittals as well as the initial submittal of the plans. Please send 3 copies when you respond to this review.
2. The plans must be signed by the engineer who prepares them.
3. I don't feel that PVC pipe, even schedule 80, should be used for the air release valve discharge pipe. PVC in small diameter and exposed to ultraviolet radiation will become very brittle and could be broken very easily by vandals or even accidentally.
4. The 10 State Recommended Standards for Water Works is very clear as to the requirements for a water distribution system that is to provide for fire protection. These standards must be met. Enclosed for your review is a copy of the applicable standards.
5. I believe you should consider looking at the size of your water storage tank. It is my understanding that the Park County Subdivision Regulations require a minimum of 5000 gallons of storage for subdivisions with 50 or less trailers.  
Any additional storage that is provided for the proposed development must meet all the requirements of the 10 State Standards.
6. After the fire protection/water storage questions are resolved, we can discuss the requirements as to spare pumping units. Again, as a guideline, refer to the 10 State Standards.

ew of Plans and Specifications  
unter Estates Mobile Home Tracts - #84-145  
April 26, 1984  
Page Two

For your information, a terminal sewer cleanout can be detailed similar to your proposed lamphole except that it must be accessible to the ground surface and be protected from damage.

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

JH:dcn

Enclosure

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

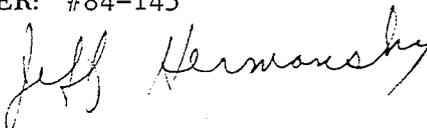
PROJECT: Painter Estates Mobile Home Tracts

ENGINEER: Bruce E. McKee  
Box 1653  
Red Lodge, MT 59068

OWNER: Mrs. Garnet Cary  
Box 1931  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #84-145

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: April 17, 1984

ACTION: Not authorized.

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

1. The application must be signed by the owner, Mrs. Cary.
2. Automatic air relief valves must be piped to at least one foot above the ground surface and be provided with a screened, downward-facing elbow. The pipe from a manually operated valve should extend to the top of the pit.
3. This Department does not require that fire protection be provided. However, if you choose to provide fire protection, there are standards that must be met. These standards include 6" water mains, full sized fire hydrants with one 4½ inch pumper nozzle and two 2½ inch nozzles, 6" lead pipe with auxiliary valve, etc. Please see the Standards.
4. Flexible sewer pipe must be tested for deflection 30 days after placement of the pipe. Maximum allowable deflection is 5%.
5. Lamphole B is too far from MH3B. Terminal sewer cleanouts may be provided at the end of sewer lines if they are not more than 150 feet from the nearest downstream manhole. The cleanout must come to the surface of the ground. Lampholes shall not be used.
6. The septic tank outlet baffles must extend into the middle third of the liquid depth. There must be 20% of the tanks liquid depth between the top of the liquid and the bottom of the septic tank cover.

ABC

view of Plans and Specifications  
Painter Estates Mobile Home Tracts #84-145  
April 17, 1984  
Page Two

7. All pumping stations must be designed to include two pumping units so that with any pump out of service, the remaining pump shall be capable of providing the maximum daily pumping demand of the system.

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

JH:dcn



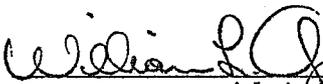
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

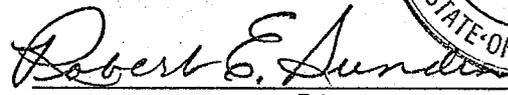
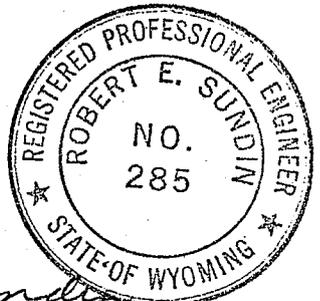
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

\* CONDITION ON PERMIT \*

Since your lot is located within the Cody's city limits, this Permit is issued with the condition that the septic tank/leach field be abandoned and connection made to the City's system when collection lines become available to your property.

JH:dcn

MEMORANDUM

TO: Plans #84-146  
FROM: Jeff Hermansky  
DATE: April 18, 1984  
SUBJECT: Phone Review



I conducted a phone review with Roy Holm and made the following comments:

1. The field looks as though it is located in an area where cars can drive and park. Please discuss this possibility.
2. By definition in the new Chapter XI, a sewage collection line is any conduit that carries wastewater that originates from two or more separate buildings or from a single building that generates more than 2,000 gpd of average daily flow. The minimum size pipe that can be used as a sewage collection line is 6 inch. Therefore, the line that serves units 13, 14, 15 and 16 must be 6 inch.
3. All changes in direction in sewage collection lines must be made in a manhole.

JH:dcn

AC



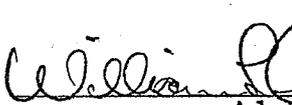
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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:

  
\_\_\_\_\_  
REGISTERED PROFESSIONAL ENGINEER  
WILLIAM L. SAPLAND  
E. # 1479  
Administrator  
Water Quality Division  
STATE OF WYOMING  
May 17, 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.

JB/JH:mpm

cc: Dan Dean  
P. O. Box 851  
Kemmerer, WY 83101

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: Ellett Septic Tank/Leach Field

ENGINEER: Dan Dean  
P. O. Box 851  
Kemmerer, WY 83101

OWNER: Linford and Karen Ellett  
P. O. Box 28  
Opal, WY 83124

WATER QUALITY DIVISION REFERENCE NUMBER: 84-147

REVIEWING ENGINEER: Jack Bedessem *JB* Jeff Hermansky *JH*

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. Why do you feel the septic tank needs to be restrained from uplifting?
2. What is the depth to groundwater in the area?
3. The septic tank manufacturers detail sheet shows the fluid depth in the septic tank to be 48 inches. Your detail shows 3'-6", which detail is correct?
4. What is the length of the outlet baffles in the septic tank?
5. Please specify the sewer pipe and installation procedures for the lines from the dwellings to the septic tank.
6. The septic tank inlet and outlet pipes must be either cast iron or schedule 40 PVC. State which material will be used.
7. How far is the proposed leach field from the property lines and any waterways?
8. The septic tank should be bedded on sand or 3/4 inch or less gravel. Please specify the material to be used.

Review of Plans and Specifications  
Ellett Septic Tank/Leach Field 84-147  
May 1, 1984  
Page Two

9. What size gravel is to be used in the leach field? What is the proposed depth of gravel under and over the leach pipe?
10. Please complete the enclosed checklist. This sheet is a good summary of much of the needed information.

Enclosed for your reference are a few applicable pages from the Water Quality Rules And Regulations, Chapter XI.

Feel free to contact us if you have any questions.



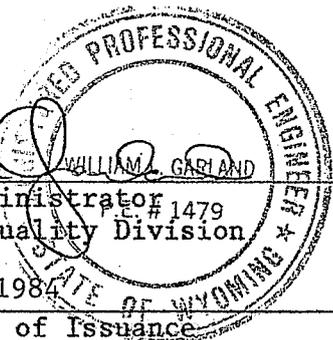
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

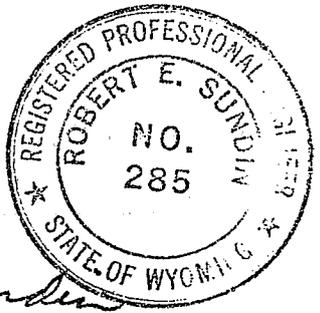
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer, William Garland, State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "WILLIAM GARLAND", "E. # 1479", and "STATE OF WYOMING".  
*William Garland*  
\_\_\_\_\_  
Administrator # 1479  
Water Quality Division  
May 17, 1984  
\_\_\_\_\_  
Date of Issuance

A circular seal for a Registered Professional Engineer, Robert E. Sundin, State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "ROBERT E. SUNDIN", "NO. 285", and "STATE OF WYOMING".  
*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: Mark Bricker  
Bridger Coal Company  
P. O. Box 2068  
Rock Springs, WY 82901

File



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 7, 1986

Mr. Jim Lolley  
Little America Refining Company  
P.O. Box 510  
Evansville, WY 82636

RE: Condition to Permit #84-149R

Dear Mr. Lolley:

A review of recent correspondence has shown that Geotechnical Corporation submitted well logs for three monitoring wells at the refinery on your behalf. Thank you for complying with condition number 1 of permit number 84-149R. Since the permit to construct allowed, by condition, the construction and installation of monitoring wells, a separate permit is not required for the monitoring wells. However, additional hydrocarbon recovery wells will require separate additional permits.

Sincerely,

A handwritten signature in cursive script that reads "Tim Holbrook".

Tim Holbrook  
Engineering Evaluator

TH/nc

cc: R. W. Davis  
Geotechnical Corporation  
P.O. Box 1292  
Laramie, WY 82070

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-149R

Ref. No. 84-41R

SEE CONDITIONS ATTACHED TO THIS PERMIT

MA 14068

Little America Refinery Hydrocarbon Recovery System  
(Name of Facility)

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

Little America Refining Company

P.O. Box 510

Evansville, WY 82636

to construct, install, or modify an industrial, subsurface, mechanical treatment oil recovery system facility according to the procedures and conditions of the application No. 84-149R. The facility is located in Section 5, T33N, R78W in the County of Natrona, 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.

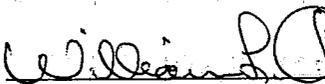
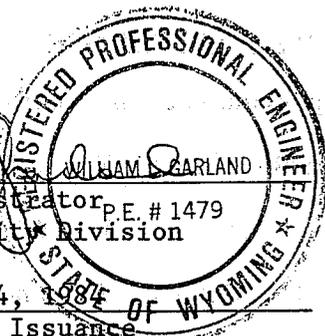
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

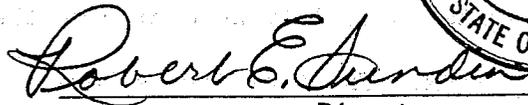
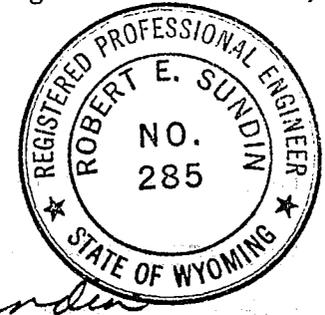
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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 D. GARLAND  
Administrator, P.E. # 1479  
Water Quality Division  
  
August 24, 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: Jim Lolley, P.O. Box 510, Evansville, WY 82636  
Engineering Enterprises, Inc., 1225 West Main, Suite 215, Norman, OK 73069  
A.J. Mancini, DEQ/WQD  
Dick Lennox, DEQ/WQD  
Lori Nast, DEQ/WQD

CONDITIONS TO PERMIT TO CONSTRUCT #84-149R

1. The applicant is authorized to construct and install additional hydrocarbon recovery and monitoring wells associated with the Little America Refinery Hydrocarbon Recovery System. As built plans and specifications shall be provided to the Water Quality Division, Herschler Building - 4th West, Cheyenne, Wyoming 82002, within 20 days of the final installation.
2. Quarterly monitoring/progress reports shall be submitted to the Water Quality Division, beginning with the fourth calendar quarter period, 1984. These reports shall include groundwater sample analyses results from monitoring wells 1, 2, 7, 8, 12 and 13. Sample parameters shall include: static water level, pH, TDS, oil and grease, TOC, chlorides, sulfates, phenol, lead, total chromium, cadmium, arsenic, barium, zinc, and sodium. Results of these quarterly monitoring samples shall be forwarded to the Groundwater Section, Water Quality Division, within 20 days following the end of each quarterly monitoring period.
3. Sample analyses for the same parameters identified in condition 2 shall be provided in the quarterly reports of the wastewater being discharged into the initial receiving evaporation pond on the North property. The quarterly monitoring/progress reports identified in condition 2 shall provide an estimate of total hydrocarbons recovered by the system.
4. Depending upon interpretation of the quarterly monitoring data by the Water Quality Division, the applicant may be required to extend the hydrocarbon recovery system and/or monitoring wells beyond the existing east and/or west limits of this authorized system.

Water Quality Division  
Groundwater Section  
Permit Application Review

*Norma  
Returned to  
Leroy F.  
8/23*

Application Number 84-149 R

Date Submitted For Review 23 Aug 84

Name and Location of Facility LITTLE AMERICA REFINERY  
CASPER WY  
NATRONA 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 Leonard  
Title Eng. Lead  
Date 23 Aug 84

Approved 8/23/84  
(Date)

ajm  
(Signed)  
Groundwater Control Supervisor

4-18-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-150  
 Ref. No. 83-664  
 MA 14068

Allendale Water & Sewer District Water Distribution System Improvements  
 (Name of Facility)

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

Allendale Water & Sewer District  
c/o Casper Board of Public Utilities  
200 North David Street  
Casper, WY 82601

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 84-150. The facility is located in Sections 15 & 22, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

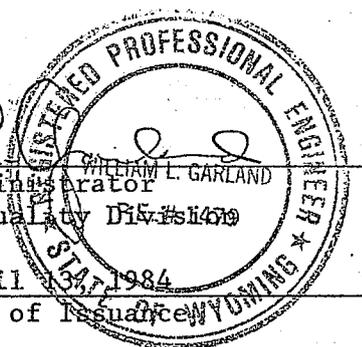
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

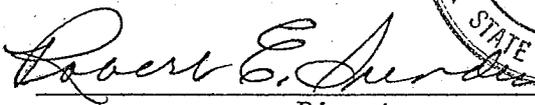
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
April 3, 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: David Hill  
Casper Board of Public Utilities  
200 North David Street  
Casper, WY 82601