

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-1R  
MA 14068

Hill Ridge 2nd Addition  
(Name of Facility)

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

Halco Construction  
111 W. 22nd Ave.  
Torrington, WY 82240

to construct, install, or modify a municipal (Torrington) water distribution and wastewater collection facility according to the procedures and conditions of the application No. 84-1R. The facility is located in Section 10, T24N, R61W in the County of Goshen, 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.

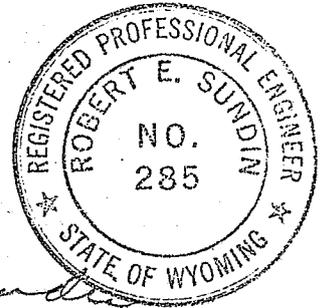
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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  
Admin # 1214009  
Water Quality Division  
FEBRUARY 01, 1988  
Date of Issuance

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

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

cc: Russell D. Schamel  
4U2 Engineering & Land Surveying  
P.O. Box 99  
Torrington, WY 82240

1-9-84

Review of Plans and Specifications

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

PROJECT: Hill Ridge 2nd Addition, Municipal Water and Sanitary Sewer Service, Goshen Co.

ARCHITECT OR ENGINEER: Russell D. Schamel, 4U2 Engineering & Land Surveying  
P.O. Box 99, Torrington, WY 82240

APPLICANT: Halco Construction, Inc.  
111 W. 22nd Ave., Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 84-1

REVIEWING ENGINEER: Thomas S. Norman 

DATE OF REVIEW: January 5, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The design report was greatly appreciated. Two additional comments are made:
  - a. Were fire flows included and evaluated?
  - b. What are the existing pressures and can minimum pressures be met?
2. The use of the Wyoming Public Works Standard (PWS) Specifications requires that an accompanying document be submitted with it. The PWS specifications allow some flexibility to the engineer which must be identified in the special provisions or an addendum. The accompanying handout further describes those areas.
3. More detail needs to be shown on water and sewer crossings to assure that minimum separations are met.
4. The lower invert of the sewer pipe between manholes 3-6-12E and 2-6-12E was not shown on page 3/3.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-2R  
 EPA C560128-94  
 MA 14689

South Flat  
 (Name of Facility)

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

South Flat Water & Sewer District

Route 2

Worland, WY 82401

to construct, install, or modify a sanitary sewer system including 6788 lineal feet of 8 inch pvc, 24 manholes and a lift station facility according to the procedures and conditions of the application No. 84-2R. The facility is located in Sections 35 and 36, T47N, R93W in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

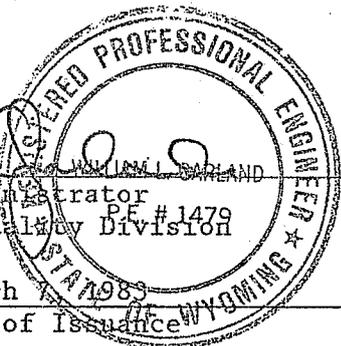
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

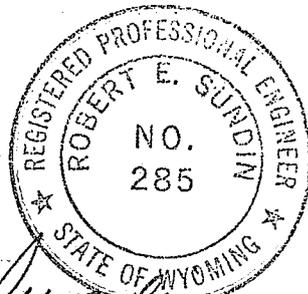
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:

  
*William L. Garland*  
\_\_\_\_\_  
Administrator  
Water Quality Division  
PE # 1479  
March 1989  
\_\_\_\_\_  
Date of Issuance

  
*Robert E. Surdin*  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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

cc: Donnell & Associates  
Box 638  
Worland, WY 82401



*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

PLANS AND SPECIFICATIONS APPROVAL AND AUTHORIZATION TO ADVERTISE

March 12, 1984

The Honorable Timonthy E. McHenry  
Mayor, City of Worland  
P.O. Box 226  
Worland, WY 82401

Re: City of Worland, Wyoming, South Flat  
Sewer District  
C560128-94  
Plans and Specifications  
Authorization to Advertise

Dear Mayor McHenry:

The plans and specifications for the construction of water pollution control facilities for the referenced project have been reviewed by the State of Wyoming Department of Environmental Quality. This office hereby approves the plans and specifications and is enclosing a permit to construct.

This project may now be advertised and bids opened. You are requested to furnish this office with the date this project is to be advertised and the date on which bids will be opened as soon as possible. You are reminded to complete the enclosed checklist and associated documentation when bids are opened.

The following points should be brought to your attention at this time:

1. Contracts may not be awarded until authorization has been given by DEQ.
2. Prior DEQ approval is required for rejection of bids on any contract on this project.
3. Current wage rates must be in the specifications prior to bid opening.
4. Bidders must submit a signed statement as to whether they have previously performed work subject to the President's Executive Order, No. 11246, with their bids.
5. Contact EPA if any questions arise concerning MBE/WBE utilization on this project.

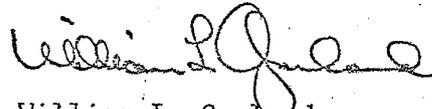
Mayor McHenry  
City of Worland, Wyoming, South Flat Sewer District  
C560128-94  
March 12, 1984  
Page 2

The procedure for submission and approval of modifications to the approved plans and specifications is the same as for the original set; i.e., 5 copies of any proposed modifications, together with an explanation of the reasons therefor should be forwarded to us. Unauthorized modifications of approved sets of plans and specifications may result in suspension of federal participation in the project.

Following approval of the enclosed checklist and associated documentation by the State of Wyoming Department of Environmental Quality, you will be notified the construction contracts may be awarded.

We are sending the approved plans and specifications for the referenced project which must be kept available at all times so that personnel from this office may have access to them during inspection activities.

Sincerely,



William L. Garland  
Administrator

WLG/TC/nc

Enclosures (Plans and Specifications, Bid Document Checklist, Permit to Construct)

cc: EPA (P & S Checklist only)  
Donnell & Associates (w/enclosure)  
Ed Barruth, DEQ/WQD, Lander (w/enclosure)  
Loren Leichtnam, DEQ/WQD, Sheridan (w/enclosure)



THE STATE OF WYOMING

Tom C.  
Ref. No. 84-2  
82-368RRR  
EPA C 560128-94  
ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 16, 1984

Mr. Charles E. Bartlett  
John W. Donnell and Associates, Inc.  
P. O. Box 638  
Worland, WY 82401

New file  
worland  
South Flat File  
# 2

Dear Mr. Bartlett:

We have reviewed the detailed plans and specifications for the South Flat Water and Sewer District Improvements.

The following comments should be addressed before the plans will be authorized for construction:

1. The changes to the plans since the original approval are significant enough to require a new Permit to Construct. The enclosed Application for Permit to Construct should be completed and submitted to Mr. Ed Baruth of the Department of Environmental Quality Lander District Office.
2. It is not clear who the responsible party will be for obtaining a permit from the Highway Department for jacking and boring. If this is the responsibility of the contractor, it should be stated as such in the specifications.
3. The enclosed wage determination from the Department of Labor should be added to the specifications.
4. The 1,000 foot section of 8-inch sewer following the lift station will have a slope less than the allowed minimum (.4%). Was this designed in this manner because the lift station will provide adequate scour velocity?
5. Eligibility of collector sewers is limited to the sewer itself and wyes for service laterals for existing residences. The laterals themselves and wyes for future residences are not eligible for federal participation.

Mr. Charles E. Bartlett  
Page Two  
January 13, 1984

6. In accordance with federal requirements the project should be advertised for a minimum of 30 days prior to bid opening.
7. The enclosed EPA Federal Requirements should be substituted for those in the specifications. The goals for minority and female work force participation on this project should be; minority 3.3% and female 6.9%. These new federal requirements do not contain a goal for Minority Business Enterprise or Female Business Enterprise.

If there are any questions or comments, please contact me.

Sincerely,

*Tom Conrardy*  
Tom Conrardy  
Engineering Evaluator

TC/sk

Enclosures

cc: City of Worland (w/encl.)  
Grant File (w/encl.)  
DEQ, Lander



THE STATE OF WYOMING

MA 14506

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING. 82520

TELEPHONE 307-332-3144

December 17, 1984

Duane Thomas  
Hoback Ranches, Inc.  
P. O. Box 1045  
Evanston, WY 82930

RE: Deer Mountain Ranch Subdivision Phase I  
Water System - "As Built" #84-3RRR  
Sec. 11, T16N, R121W, Uinta County, Wyo.

Dear Mr. Thomas:

The plans, specifications and information for the Deer Mountain Ranch Subdivision Phase I Water System has been reviewed and it appears to meet the minimum design standards for the State of Wyoming. A "Permit to Construct" cannot be issued owing to the fact that the system has already been built.

Retain this letter as verification that the system has been accepted by the Wyoming Department of Environmental Quality.

The Wyoming Environmental Quality Act (35-11-301) stipulates that "No person, except when authorized by a permit . . . shall: construct, install, modify or operate any public water supply; construct, install, modify or operate any sewerage system, treatment works, disposal system or other facility, capable of causing or contributing to pollution . . ."

Any person who violates any provision of this act is liable for a penalty of up to \$10,000 a day for each day the violation continues. In the future, if violations of this act persist, legal action will be taken.

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

Sincerely,

Jack Bedessem  
Area III Supervisor

JB:dcn

cc: Cheyenne DEQ/WQD ✓  
Dennis Farley  
Carlton, Carlton & Assoc.  
Kevin Jones  
File (5)

*aba*

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: Deer Mountain Ranch Subdivision

ENGINEER: Kevin Jones  
516 Sage Street  
Evanston, WY 82930

Carlton, Carlton & Associates  
748 Lombard Street.  
Evanston, WY 82930

OWNER: Hoback Ranches, Inc.  
P. O. Box 1045  
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 84-3R "As Built"

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: May 18, 1984

ACTION: NOT AUTHORIZED.

COMMENTS:

The Engineering Report indicates that expansion of the subdivision may be considered in the future. Be aware that if modifications to this system are made without proper authorization from this office, legal actions will be taken.

This project will be considered "As Built". The following items need to be resolved and/or addressed:

1. "As Constructed" - ok
  2. Water quality - ok
  3. Well construction - ok
  4. Well yield and drawdown - ok
  5. The engineering report states that the submersible well pump should deliver a minimum of 20 gpm (max. daily flow) against 450 feet TDH. The pump curves and flow information indicate that the existing pump delivers only 10 gpm against 450 feet TDH. This is considerably less than the "Ten State Standards" capacity requirement of maximum daily demand. A pump of adequate capacity needs to be installed. It would be acceptable to retain the existing pump as a spare.
  6. Well discharge piping - ok
  7. USEPA notification - ok
  8. A pressure and leakage test needs to be performed on all water mains. The data and results of these tests need to be signed/dated by a registered P.E. and submitted to this office.
  9. Water storage tank details - ok
  10. Water storage tank disinfection - ok
  11. Inlet and outlet pipe of water storage tank - ok
  12. Pressure system bypass - ok
  13. Hydropneumatic tanks - ok
- C*

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: Deer Mountain Ranch Subdivision

ENGINEER: Kevin Jones  
Carlton, Carlton & Associates  
748 Lombard Street  
Evanston, WY 82930

OWNER: Hoback Ranches, Inc.  
901 Main Street  
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 84-3

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 1, 1984

ACTION: Not Authorized.

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

1. Address the "as constructed" features noted in Chapter I of the Engineering Report.
2. Information is needed as to the wells water quality - microbiological, physical, chemical and radiological. (refer to Table 1, Chapter VIII, Wyoming Water Quality Rules and Regulations).
3. Information is needed as to well construction data-screen location, weight and thickness of casing, grouting and sealing depths, static water level, formation log, housing, protection from surface runoff, depth of pump, etc.
4. Yield and draw down test information is needed (test for at least 24-hours or until draw down has stabilized at 1.5 times the design pumping rate).
5. "Ten State Standards" recommends a minimum of two groundwater sources. One source is acceptable if sufficient capacity and adequate storage is available. Proposed storage is only 75% of average daily demand.
6. Address and detail well discharge piping (i.e. check valve, shutoff valve, pressure gauge, flow gauge, sampling tap, etc.)

*ABC*

7. The USEPA Region VIII Office should be contacted regarding drinking water monitoring.
8. Clarify whether the specified PVC pipe complies with AWWA-C900. Specify pressure rating of pipe.
9. Address and detail the water storage tanks, overflow and drainage pipes. Reference "Ten State Standards" 7.0.6.
10. The specifications must include a method for cleaning and disinfecting the water storage tank.
11. No outlet pipe is shown on the water storage tank detail (sheet 4 of 5). Include a detail.
12. Address bypass piping around the pressure tanks/pumps to permit, at least minimal, water supply to the residences during power outages and repairs.
13. Details and/or manufacturers information is needed for the hydropneumatic tanks. (i.e. drain, pressure gauge, sight glass, blowoff, etc.).

JB:mpm



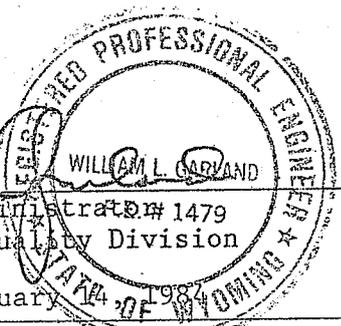
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

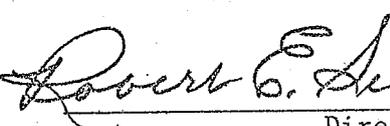
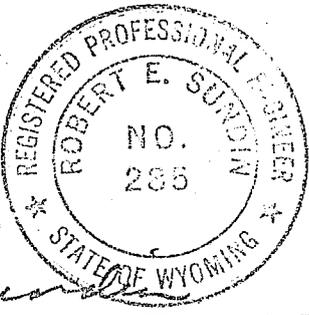
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AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
February 14, 1987  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

xc: Wells Engineers, Inc.  
1415 11th Street  
Gering, Nebraska 69341

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Lusk Water Main Relocation

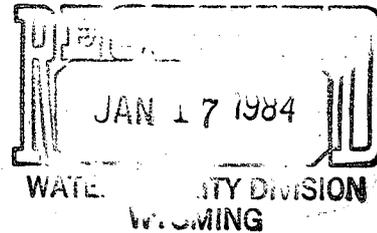
ARCHITECT OR ENGINEER: Charles A. Haas  
Wells Engineers, Inc.  
1415 11th Street  
Gering, Nebraska 69341

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-4

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: January 16, 1984

ACTION: Not Authorized



COMMENTS:

- 1.) According to the Recommended Standards for Water Works, 1976 edition (Ten States Standards), when water lines cross under water courses which are greater than 15 feet in width, the following shall be provided:
  - a. the pipe shall be of special construction, having flexible water-tight joints,
  - b. valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair; the valves shall be easily accessible, and not subject to flooding; and the valve closest to the supply source shall be in a manhole;
  - c. permanent taps shall be made on each side of the valve within the manhole to allow insertion of a small meter for testing to determine leakage and for sampling purposes.

Please address these items if the crossing under the Niobrara River is in fact greater than 15 feet.

- 2.) An Army Corps of Engineers 404 Dredge and Fill permit may be needed for the Niobrara River Crossing. You can check with Mike Carnevale in our Cheyenne office for the details on this at 777-7081.

Review of Plans and Specifications  
Lusk Water Main Relocation, 84-4  
January 16, 1984  
Page Two

- 3.) AWWA C-111 or other appropriate specification should be included in the specifications under Rubber Gasket Joints for ductile iron pipe (Section 16.19, page S16-35).
- 4.) There is apparently a sanitary sewer crossing on Elm Street near station 23 + 00 that is not shown on the profile drawing. Please add this.
- 5.) Have local fire officials or the State Insurance Services Office approved the location and number of new fire hydrants?
- 6.) Please provide some type of verification that sufficient flow and pressure (20 psi during peak demand and fire flow) will be maintained at the end of Line A on Daley, Elm, and Pershing and in Line C. This is needed because the loops that these lines form with the line on Main Street are being eliminated.
- 7.) In addition, flushing hydrants or blowoffs should be provided at the plugged ends of Line A (on Pershing Street) and Line C. Fire hydrants will serve the same purpose.

Please call me with any questions.



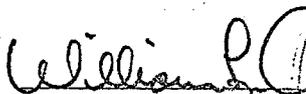
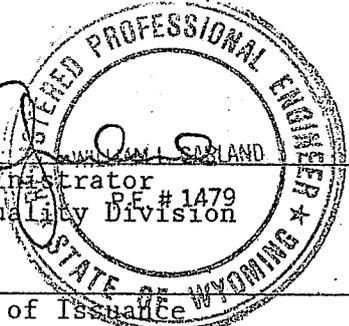
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

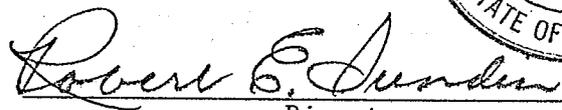
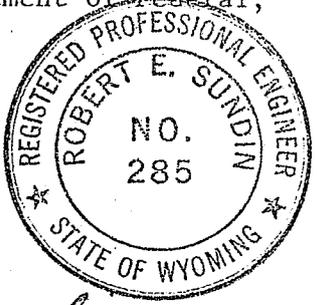
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
Administrator  
Water Quality Division  
P.E. # 1479  


  
Director  
Dept. of Environmental Quality  


January 6, 1984

Date of Issuance

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

JH:dcn



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 2, 1984

Mr. Don Dunham, Engineering Supervisor  
City of Lander  
183 South 4th Street  
Lander, WY 82520

RE: Revised City of Lander Standards and Specifications, DEQ Ref. No. 84-6R

Dear Don:

This office has received your January 27, 1984 submittal which included additional revisions to your Section "401.10 Tests" of your city specifications. This revision still meets minimum State Standards for water line construction and is hereby approved.

Any further additions or deletions to these construction standard specifications will require review by this Division to ensure continued compliance with State standards.

Applications for construction permits submitted to this Division need only to refer to the above specifications on the plan sheet.

Very truly yours,

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

Ed Baruth  
Northwest District Supervisor

EB:dcn



*Department of Environmental Quality*  
*Water Quality Division*

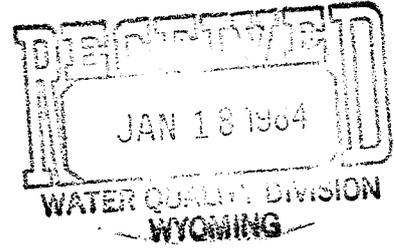
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 13, 1984

Mr. Don Dunham, Engineering Supervisor  
City of Lander  
183 South 4th Street  
Lander, WY 82520



RE: Revised City of Lander Standards and Specifications, DEQ Ref. No. 84-6R

Dear Don:

A review of the revisions to the City of Lander Standards and Specifications for water and sewer line construction has been completed. We have found that these revisions meet minimum State standards for water and sewer line construction. Any further additions or deletions to these construction standard specifications will require review by this Division to ensure continued compliance with State standards.

Applications for construction permits submitted to this Division need only to refer to the above specifications on the plan sheet.

Very truly yours,

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

Ed Baruth  
Northwest District Supervisor

EB:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: City of Lander  
Standards and Specifications

ENGINEER: City of Lander  
183 South 4th St.  
Lander, WY 82520  
Attn: Don Dunham

OWNER: City of Lander  
183 South 4th St.  
Lander, WY 82520  
Attn: Don Dunham

WATER QUALITY DIVISION REFERENCE NUMBER: #84-6

REVIEWING EVALUATOR: Ed Baruth *EB*

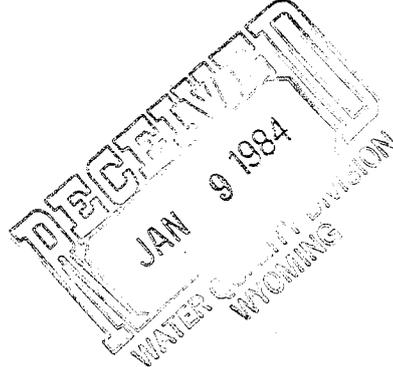
DATE OF REVIEW: January 6, 1984

ACTION: Not authorized.

COMMENTS:

1. The Department wholeheartedly applauds the use of television inspection of sewer lines. However, this qualitative testing procedure is not an approvable substitute for the quantitative attributes of the infiltration leakage test.

EB:dcn



1-27-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-7  
SEE SPECIAL CONDITION  
MA-14068

Big Ditch Sedimentation Pond  
(Name of Facility)

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

Energy Development Company

P.O. Box 490

Hanna, WY 82327

to construct, install, or modify a sedimentation control pond facility according to the procedures and conditions of the application No. 84-7. The facility is located in Section 18, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

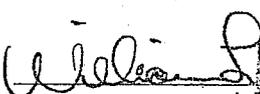
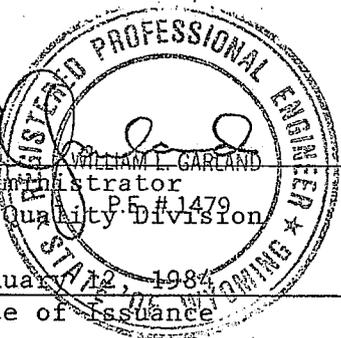
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

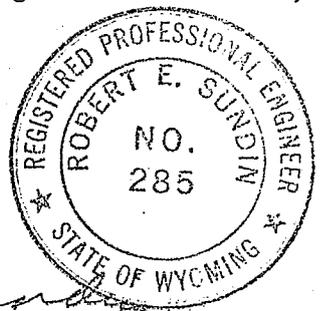
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
P. S. # 1479  
January 12, 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.

Conditions to Permit to Construct

The sediment control pond shall be at least 6.5 feet deep to provide a minimum freeboard of 6 inches.

cc: Robert R. Pixlar, Arch Mineral Co., P.O. Box 550, Hanna, WY 82327  
Mark Smith, DEQ/LQD

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-8  
 SEE SPECIAL CONDITION  
 MA 14068

Resource Shop Area Pond  
 (Name of Facility)

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

Energy Development Company

P.O. Box 490

Hanna, WY 82327

to construct, install, or modify a sedimentation control pond facility according to the procedures and conditions of the application No. 84-8. The facility is located in Section 22, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

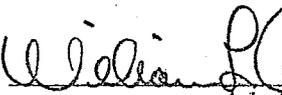
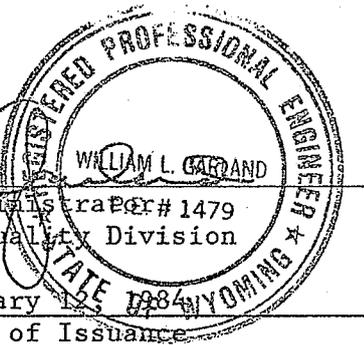
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

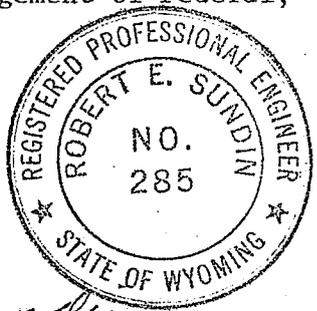
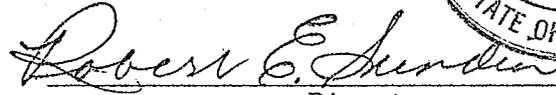
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
  
WILLIAM L. GARAND  
Administrator # 1479  
Water Quality Division  
January 12, 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

The sediment control pond shall be at least 6.5 feet deep to provide a minimum freeboard of 6 inches.

cc: Robert R. Pixlar, Arch Mineral Co., P.O. Box 550, Hanna, WY 82327  
Mark Smith, DEQ/LQD

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

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

(X ) New  
( ) Modified

Permit Number:  
GPC 84-9R  
EPA UIC CLASS I

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

Wycon Chemical Company  
ATTN: Mike Patton  
P.O. Box 1287  
Cheyenne, WY 82003

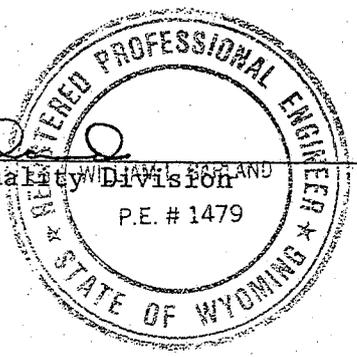
is authorized to construct and operate

Wycon Chemical Company Disposal Well No. 2 in the NE1/4 SE1/4 Section 17, T13N, R67W, Laramie County, for the subsurface injection of industrial wastes

according to procedures and conditions of the application GPC 84-9R and requirements and other conditions of this permit.

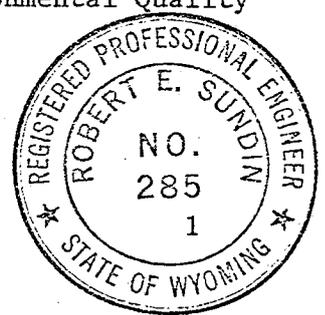
This permit shall become effective on date of issuance.

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



*July 17, 1984*  
Date

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



*July 17, 1984*  
Date

A. Discharge (Injection) Zone and Area of Review

Injection is authorized into the Hygiene Sandstone member of the Pierre shale formation in the interval 5807 - 6227 feet. Injection or disposal into any other interval is not authorized by this permit.

This permit does not authorize wastewater treatment or disposal by any method or procedure other than subsurface injection, nor does it authorize the discharge of plant wastes to the surface or into any surface drainage.

The area of review was determined by volumetric calculations considering the combined effects of Wycon Disposal Well No. 1 (GPC 81-966R) with projected effects of Wycon Disposal Well No. 2. These two wells are located 1,100 feet apart. The resultant area of review is a circle about the midpoint between the two wells with a 0.9 mile radius.\*

\*Assumptions: Time of operations = 46 years  
Average effective porosity = 20%  
Average injection rate = 350 gpm (Maximum combined total for both wells)  
Effective receiver thickness = 216 ft.

It should be noted that complete investigations were conducted for a 3 mile radius about the midpoint between Wycon Disposal Wells No.s 1 and 2, with a pressure buildup investigation out to 20 miles.

B. Groundwater Classification

The groundwater in the Hygiene Sandstone member of the Pierre shale formation within the area of review has been designated Class VI groundwater of the State, based on the prior use of this location for industrial wastewater disposal (GPC 81-966R); and because the depth of the Hygiene Sandstone member is such that economical use of any waters is not practical.

C. Authorized Operations

The permittee is authorized to inject industrial wastes as generated by the manufacture of fertilizer, and storm (precipitation) runoff, into the Hygiene Sandstone member of the Pierre shale formation at depths between 5807 feet and 6227 feet. SIC 287; 495

The composite wastewater stream (injection) presently is composed of:

<u>Source</u>	<u>Average gpm (1)</u>	<u>% Total</u>
Boiler blowdown	35	15.3
Process condensate (2)	20	8.8
Cooling tower blowdown	105	46.0
Monitoring wells	5	2.2
Corlett Creek sump	30	13.2
Interceptor trench	12	5.3
Storm runoff	16	7.0
Area washdown (3)	<u>5</u>	<u>2.2</u>
	228	100.0

- (1) Will vary throughout the year due to plant operating conditions and weather conditions.
- (2) Process condensate is condensed water vapor and/or steam.
- (3) Area washdown is raw plant water.

The composite injection also contains a small amount of Nalco 7801 corrosion (scale) inhibitor. Approximately 4-1/2 gallons of inhibitor are used per day, which is approximately 0.003 gpm.

Composition of composite waste stream reported as:

<u>Constituent</u>	<u>Composite Waste Stream (1)</u>
Nitrate (NO3)	4361 ppm (2)
Ammonia (NH3)	2177 ppm (3)
Chloride (Cl)	306 ppm
Sulfate (SO4)	23.1 ppm
Chromium (Cr+6)	2.34 ppm
Total dissolved solids (TDS)	19333 ppm (3)
Conductivity	9200 (4)
Urea	2627 ppm (3)
pH	8.65 su (5)

- (1) Sampled at clear tank immediately preceding well injection in July 1983. The composite waste stream varies in chemical composition.
- (2) From sample collected in November 1983.
- (3) From sample collected in October 1983.
- (4) In micromhos per centimeter.
- (5) Standard units.

The authorized maximum injection rate (volume) for Wycon Disposal Well No. 2 is 350 gpm with a maximum surface injection pressure of 930 psig; however, when this well is operated in conjunction with Wycon Disposal Well No. 1 the combined total injection rate for both wells is limited to a maximum of 350 gpm. The maximum rate and pressure may not be exceeded without prior written approval of the Administrator.

In the event the injection rate (volume) and/or the injection pressure exceeds the authorized limits, such excessive rate or pressure will be considered a permit noncompliance and will be reported in accordance with Section I.6 of this permit.

D. Proper Operation and Maintenance

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

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

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

E. Entry and Inspection

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

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

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.

3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The name(s) of individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. Names of individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

The Wycon Water Well #15 (State Engineer Permit No. U.W. 36518 in the NW1/4 SE1/4 of Section 17, T13N, R67W, shall be sampled quarterly unless data indicates a need for more frequent sampling. This condition is consistent with sampling required by GPC 81-966R (Wycon Disposal Well No. 1) therefore a single quarterly report for both permitted disposal wells is sufficient.

Parameters for analysis include, at a minimum:

	<u>Analysis of Sample 3/21/84</u>
Nitrate	BDL
Ammonia	BDL
Chloride	2.9 ppm
Sulfate	16.4 ppm
TDS*	---
Chromium (+6)	BDL
pH	8.7 s.u.
Urea	BDL

\*Conductivity (3/21/84) reported as 340 mm/cm

Analytical results shall be reported to the groundwater section of the Water Quality Division within 30 days of data availability or in conjunction with reports as specified in Section G of this permit.

G. Requirements for Monitoring the Discharge

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

The average and maximum daily injection rate (volume) and pressure shall be reported on a monthly basis. Accumulative injection volume shall be reported at the same time.

The wastewater shall be sampled just before being injected and analyzed for the following parameters, at a minimum:

Nitrate	TDS
Ammonia	Chromium (+6)
Chloride	Urea
Sulfate	pH

Analytical results shall be reported monthly. The report shall include information specified in Section F.3 of this permit.

All data shall be reported within 30 days after the end of the reporting period to the groundwater section of the Water Quality Division.

#### H. Test Procedures

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

#### I. Records and Reports

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

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

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.
9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:
  - a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
  - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
  - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.
11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

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

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

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

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

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

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

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

#### K. Mechanical Integrity

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

At a minimum of once every five (5) years and more frequently if required by DEQ/Water Quality Division, the applicant/permittee shall demonstrate the continued sound and unimpaired condition of all components of the injection well by well mechanical integrity testing. An injection well has mechanical integrity if there is no significant leak in the casing, tubing or packer; and there is no significant leak in the casing, tubing or packer; and there is no significant movement of injected fluid into an underground source of usable water through vertical channels adjacent to the injection well bore. The absence of leaks will be determined by an acceptable pressure test. Applicant/permittee shall provide WQD sufficient advance notice so that a WQD representative may witness the test if desired by WQD. Written results shall be provided to the Water Quality Division as soon as results are available.

The absence of significant fluid movement will be determined by the results and interpretation of appropriate geophysical log(s), such as a cement-bond, temperature, noise, or other log, or combinations of logs.

The drilling and completion for Well No. 2 will be in accordance with procedures outlined in the report prepared by L. H. Burger and Associates and submitted to WDEQ on April 9, 1984 as part of the GPC 84-9R application package. The outline for drilling and completion as presented is:

## Drilling

Drilling will be done with a rotary rig capable of drilling 6300 feet and running and handling 6300 feet of 7", 23# casing.

The procedure for drilling the disposal well is as follows:

1. Drill 12-1/4" hole to approximately 1100 feet.
2. Run 1100 feet of 9-5/8", 32.3#, H-40 casing with two 9-5/8" centralizers and a guide shoe on the bottom joint. Weld the guide shoe and the bottom 9-5/8" collar.
3. Circulate cement to the surface with 700 sacks of Class G cement with 3% CaCl in the last 100 sacks.
4. Hold 9-5/8" casing for 8 hours before rigging up B.O.P. Drill cement plug with 9-1/4 bit after waiting on cement for a total of 12 hours.
5. Drill 9-1/4" hole to approximately 6300 feet.
6. Use a low PH, Caustic-Quebracho, fresh water mud. Have mud in good condition by 3250 feet before drilling the Fox Hills formation, and maintain the fluid loss between 5 cc and 7 cc from 3250 feet to total depth.
7. Catch 10 foot samples from 3300 feet to total depth.
8. Run Compensated Neutron/Litho-Density, Dual Induction, and Lithology Cyberlook open hole logs from total depth to base of surface casing.
9. Run 6300 feet of 7", 23#, K-55 casing to total depth with 18 centralizers, differential fillup collar and float shoe. Run cement stage collar at approximately 3700 feet.
10. Cement first stage (6300'-3700') with 600 sacks 50-50 pozmix cement with 2% allowed gel. Open D.V. Tool and circulate excess cement to surface. Circulate for 4 hours. Cement second stage (3700'-surface) with 900 sacks 50-50 pozmix cement with 2% allowed gel and 2% additional gel. Use 500 gallons of mud flush ahead of cement on each stage. Displace cement with water on second stage.
11. Move off rotary rig.
12. Wait at least 48 hours before beginning completion work.

## Completion

After the disposal well has been drilled and cased, the following completion procedure should be followed:

1. Move on completion unit. Drill cement plug at stage collar and circulate with water to plug back total depth. Pressure test 7" casing.
2. Swab 7" casing dry.
3. Run Acoustic Bond Log and Correlation Log.
4. Perforate bottom interval with 2 jet shots/foot. (Actual perforations to be picked from logs.)
5. Swab fluid until a clean sample of formation water is obtained.
6. Run 7" packer on 2-3/8" tubing and set above bottom interval. Acidize bottom interval with 1000 gallons of 15% acid and ball sealers. Pull tubing and packer.
7. Perforate second interval from bottom with 2 jet shots/foot.
8. Run 2-3/8" tubing with 7" packer and retrievable bridge plug. Set bridge plug above bottom interval and the packer above second interval.
9. Acidize second interval with 2000 gallons of 15% acid and ball sealers. Retrieve bridge plug and pull tubing, packer, and bridge plug.
10. Perforate third interval from bottom with 2 jet shots/foot.
11. Run 2-3/8" tubing with packer and bridge plug. Set bridge plug above second interval and the packer above third interval.
12. Acidize third interval with 2000 gallons of 15T acid and ball sealers. Retrieve bridge plug and pull tubing, packer, and bridge plug.
13. Perforate fourth interval from bottom with 2 jet shots/foot.
14. Run 2-3/8" tubing with packer and bridge plug. Set bridge plug above third interval and the packer above fourth interval.
15. Acidize fourth interval with 1000 gallons of 15% acid and ball sealers. Retrieve bridge plug and lay down 2-3/8" tubing, packer, and bridge plug.
16. Run injection test down 7" casing. If injection rate is not high enough, then frac all four intervals together with 500 barrels of treated gelled water with 20-40 sand at high injection rates.
17. If injection rate is satisfactory, prepare to run 4-1/2" casing.

18. Run internally coated (Tube-Cote TK-75) 4-1/2", 10.5#, K-55 casing with internally and externally coated 4-1/2" x 7" compression packer. Set packer about 60 feet above top perforations. Sixty (60') feet of 4-1/2" Fibercast casing will be run below the packer.
19. Treated packer fluid will be spotted in the annulus between the 7" and 4-1/2" casing from surface to the packer. A positive pressure should be maintained on the annulus to check for leaks. Also, one barrel of diesel oil should be spotted below the packer for added protection.
20. Run injection test up and down starting with 3 bpm and increasing by 2 bpm increments up to 11 bpm, and back down to 3 bpm.

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.

Injection pressure, annulus, and injection rate shall be monitored continuously using a chart recorder, and manual recording of pressures and rates.

Plant personnel shall routinely inspect well monitoring devices. The chart record will be compared to gauge reading. If significantly different, an artificial signal will be put into the chart recorder and the recorder recalibrated. If necessary, gauges will be pulled and reset or replaced.

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

#### L. Abandonment

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

WQD abandonment requirements shall be coordinated with requirements of the Wyoming State Engineer (and the U.S. EPA if necessary).

WQD requires at a minimum that the injection zone be permanently isolated from overlying and underlying aquifers; that interaquifer communication be permanently prohibited; and that the well be permanently

secured against the injection or disposal of anything after abandonment. Specific details for plugging and abandonment are contained in Water Quality Rules and Regulations, Chapter XI, Part G, Section 70.

M. Duties of the Permittee

It is a duty of the permittee to:

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

N. Financial Responsibility

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

The required Certification of Financial Responsibility has been submitted by the applicant/permittee.

O. Special measures the Director finds necessary:

This permit neither replaces nor negates any requirements of other State agencies or permits.

P. Special permit conditions:

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

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

Q. Signatories Requirement

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

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

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

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

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

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

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

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

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

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

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

S. Permit Transfer

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

T. Responsibilities

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

U. Property Rights

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

V. Severability

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

7-28-84



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality  
Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 17, 1984

Mr. L. N. Shay  
Vice President, Manufacturing  
Wycon Chemical Company  
P.O. Box 1287  
Cheyenne, WY 82003

RE: GPC 84-9R, Wycon Chemical Company Disposal Well No. 2, Section 17,  
T13N, R67W, Laramie County

Dear Mr. Shay:

Enclosed is the final permit for the subject disposal well. Also enclosed is a Form GPC 9, Notice of Completion of Well Construction. Please read this form carefully before submitting it to the WQD.

Note also that injection may not commence until and unless well mechanical integrity has been proven or demonstrated to the satisfaction of the Administrator.

Sincerely,

William L. Garland  
Administrator

WLG/AJM/nc  
Enclosures

cc: Michael R. Patton, Wycon (w/o enclosures)

# Wycon Chemical Company

P. O. BOX 1287 • CHEYENNE, WYOMING 82003 • (307) 634-5981



GPC 84-9R

May 8, 1984

A. J. Mancini  
Department of Environmental Quality  
1111 East Lincolnway  
Cheyenne, Wyoming 82001

Subject: Completeness Response for Application GPC-84-9R

Dear Mr. Mancini:

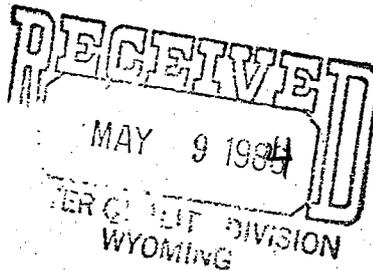
We have reviewed your letter of April 13, 1984 concerning comments and questions regarding our application of a second disposal well. The enclosed document addresses each comment and provides a response for each item. We trust this additional information and clarification will allow a complete evaluation of our application.

Very truly yours,

  
Michael R. Patton, P.E.  
Manager, Engineering

MRP:tb  
enclosures

xc: A. B. Nelson  
L. N. Shay  
D. T. Willy



THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 24, 1984

Michael R. Patton, P.E.  
Manager, Engineering  
Wycon Chemical Company  
PO Box 1287  
Cheyenne, Wyoming 82003

Re: Application for deep disposal  
well, GPC 84-9

Dear Mr. Patton:

Earlier this month we discussed your wanting to amend the subject application. We have not yet received your amended pages. I would prefer not commencing the review of Wycon's application until we have received what you consider to be the complete application. In your opinion, do we have the complete application, or should we continue to wait for amendments?

Concerning your previous application, GPC 81-966R, the draft permit has undergone one slight revision thus far, on page 10, to indicate that recent well logging showed the packer and tubing to be 40 feet higher than expected and the hole to be bridged at a depth of 6007 feet instead of open to approximately 6275 feet as expected.

Sincerely,

A handwritten signature in cursive script that reads "A.J. Mancini".

A.J. Mancini  
Groundwater Control Supervisor

AJM/kb

1-19-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-10  
 Ref. No. 82-9  
 SEE SPECIAL CONDITION  
 MA 14068

Kirk's Auto Repair  
 (Name of Facility)

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

Robert Edward Kirk

P.O. Box 1282

Douglas, WY 82633

to construct, install, or modify a subsurface sewage disposal facility facility according to the procedures and conditions of the application No. 84-10. The facility is located in E1/2 SW1/4 Section 34, T33N, R71W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

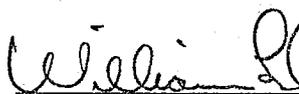
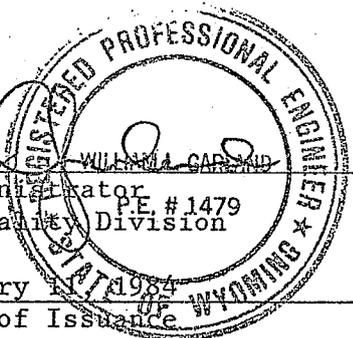
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

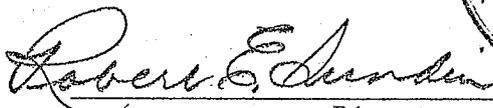
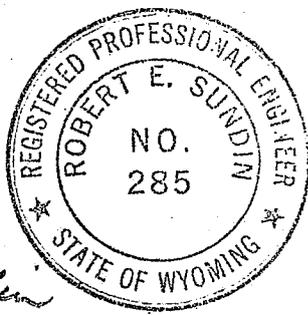
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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 A. CARLSON  
Administrator  
Water Quality Division  
P.E. #1479  
January 11, 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 to Permit to Construct

This permit modifies permit No. 82-9 for use as a self-service gasoline station. This is valid for a wastewater flow not to exceed 300 gallons per day.

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

3-28-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-11RR  
MA 14068

TSL Addition  
(Name of Facility)

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

TSL, Inc.

P.O. Box 1128

Laramie, WY 82070

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 84-11RR. The facility is located in Lots 1-7, Block 1; Lots 1-20, Block 2; Lots 1-10, Block 3; TSL Addition, Section 6, T15N, R73W in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

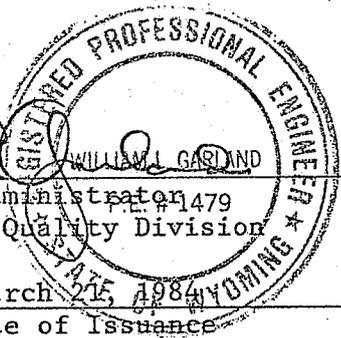
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

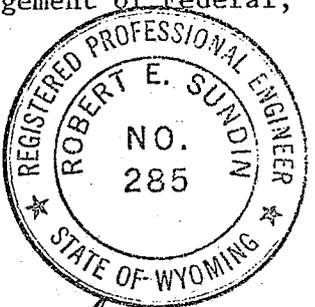
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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 GASLAND" and the number "1479".  
*William Gasland*  
\_\_\_\_\_  
Administrator #1479  
Water Quality Division  
March 21, 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 "ROBERT E. SUNDEN" and the number "285".  
*Robert E. Sunden*  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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

cc: Lonnie Lanners  
Alpha Engineering Inc.  
21 N. Main #3  
Sheridan, WY 82801

Review of Plans and Specifications

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

PROJECT: TSL Addition, Albany Co.

ARCHITECT OR ENGINEER: Lonnie Lanners, Alpha Engineering, Inc.  
21 N. Main #3, Sheridan, WY 82801

APPLICANT: T.S.L. Inc.  
P.O. Box 1128, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 84-11R

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

DATE OF REVIEW: February 21, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The response of February 9, 1984 was inadequate as my previous comments were not addressed. The response of February 9, 1984 stated a letter was forthcoming but which has not been received to date.

1-11-84

Review of Plans and Specifications

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

PROJECT: TSL Addition, City of Laramie, Albany Co.

ARCHITECT OR ENGINEER: Lonnie Lanners, Alpha Engineering, Inc.  
21 N. Main #3, Sheridan, WY 82801

APPLICANT: T.S.L. Inc.  
P.O. Box 1128, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 84-11

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

DATE OF REVIEW: January 10, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Details are necessary where water and sewer lines are close (vertical or horizontal) and will not meet the minimum separation requirements. Details are necessary to show that the crossing can be accomplished and what special requirements are necessary. Examples are:
  - a. Crossing at the corner of Carter & Truman.
  - b. Horizontal laying on Franklin between Taylor and Adams. Also is this constructable within these tight limits?
  - c. Crossing at the corner of Taylor and Franklin.
2. Please describe the proposed dewatering procedures. The geological conditions will cause problems as there is a high clay layer with groundwater above it. The pipes cannot be laid without dewatering. Also any water from dewatering cannot be discharged to the river or storm sewer without first obtaining a permit to discharge from DEQ.
3. Where will the highly chlorinated water used during disinfection be discharged to?

2-22-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-12  
SEE CONDITIONS ATTACHED TO THIS PERMIT  
MA 14068

Salt Creek South Unit  
(Name of Facility)

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

Terra Resources, Inc.

P.O. Box 2500

Casper, WY 82602

to construct, install, or modify a production waste oil road application facility according to the procedures and conditions of the application No. 84-12. The facility is located in Townships 39 & 40N, Ranges 78 & 79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

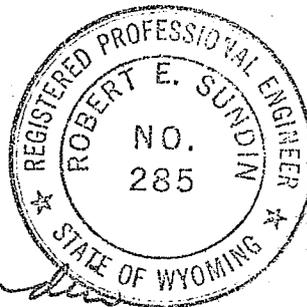
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

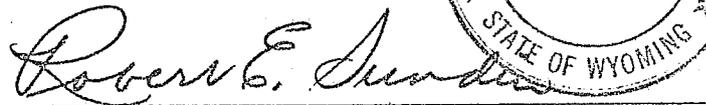
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
February 12, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

This permit authorizes you to dispose of 12,600 gallons/month of production waste oil and wastewater on the surrounding roads as per attachment #2.

CONDITIONS TO PERMIT TO CONSTRUCT

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. Analysis of waste oil sludge from tank batteries A, B, C, Texas N and Staley A & D for the following parameters should be submitted on or about April 1, 1984:

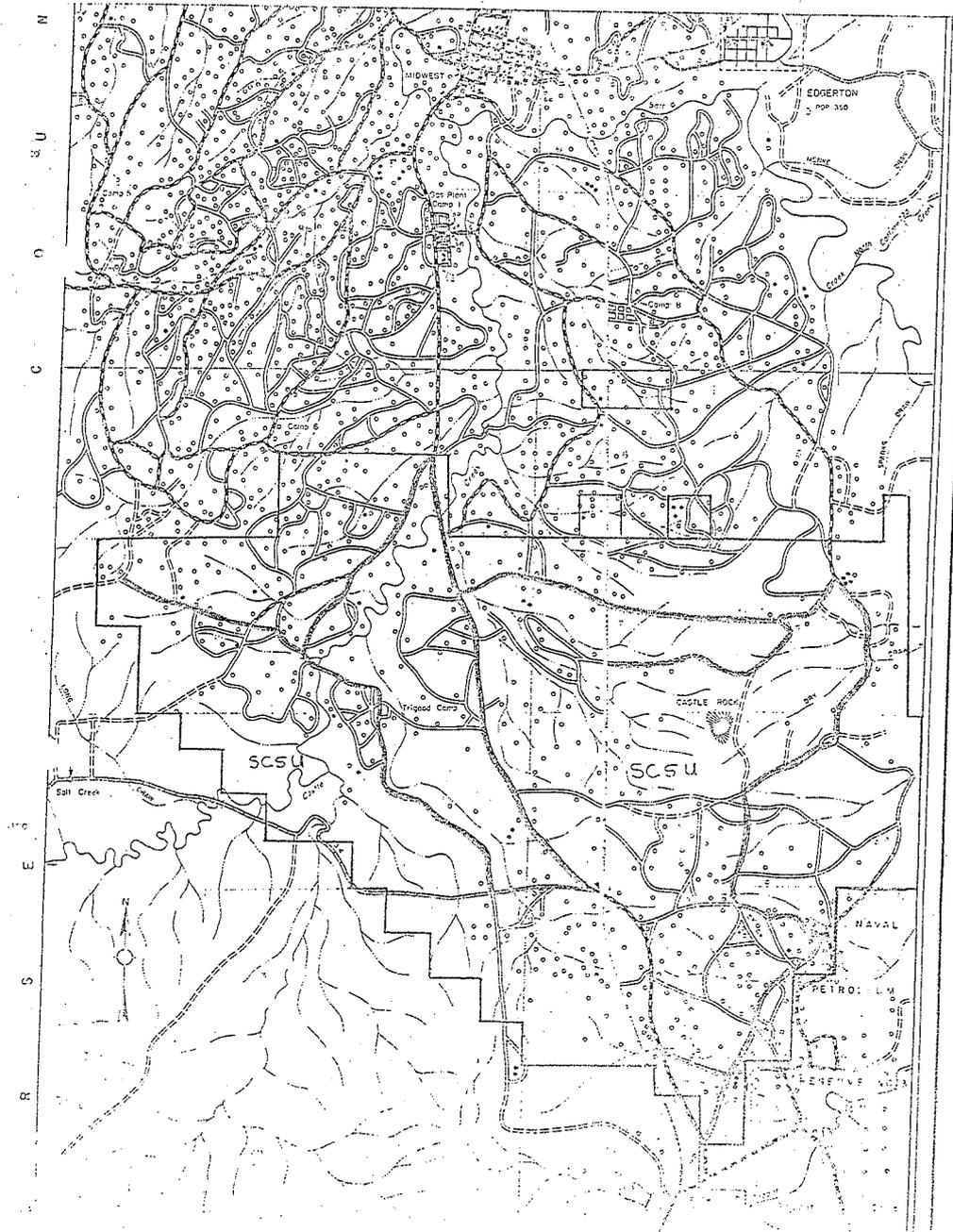
pH	Conductivity, mmhos/cm @ 25°C
Calcium	Iron
Magnesium	Molybdenum
Sodium	Manganese
Barium	Nickel
Boron	Lead
Aluminum	Silver
Copper	Mercury
Chromium	Vanadium
Zinc	

All results should be reported on a dry weight basis as ug/gram of solids.

Attachment No. 2

|| Roads to be used as land application site

└ Leases owned by Terra Resources Inc.



1-27-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-13  
SEE SPECIAL CONDITION  
MA 14089

Natrona County Fairgrounds Utility Improvements  
(Name of Facility)

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

Board of Trustees

Natrona County Fair Association

1700 Fairgrounds Road

Casper, WY 82601

to construct, install, or modify a sanitary sewers and potable water mains facility according to the procedures and conditions of the application No. 84-13. The facility is located in Section 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.

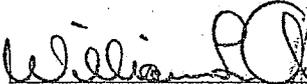
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

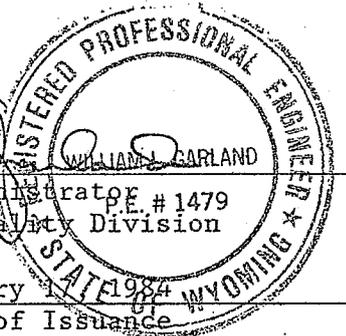
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

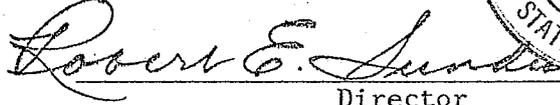
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

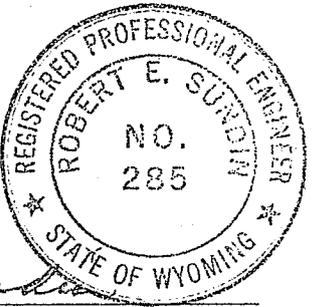
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

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



  
Director  
Dept. of Environmental Quality



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

Condition to Permit to Construct

The existing sanitary sewers northeast of manhole 14 shall be cut and plugged.

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



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

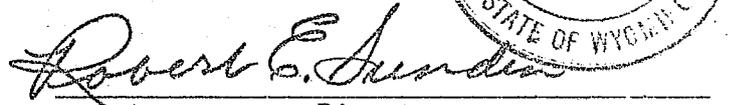
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
 Registered Professional Engineer  
 WILLIAM P. GARLAND  
 Administrator  
 Water Quality Division  
 No. #1479  
 STATE OF WYOMING  
 February 16, 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.

\* CONDITION ON PERMIT \*

This permit is issued with the intent of providing an interim on site wastewater treatment facility until such time that treatment is available through the City of Cody's wastewater system.

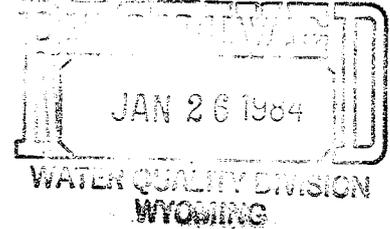
The facility authorized by this permit can be operated until the City's system is made available. At that time, the septic tank and leach bed authorized by this permit must be abandoned and the collection system connected to the City's.

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: Conifer Lane Subdivision Sewer System

ENGINEER: Donald J. Livingston  
Engineering Associates  
P. O. Box 1900  
Cody, WY 82414

OWNER: J. Cedric Jones  
1328 Sunset Boulevard  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #84-14

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: January 18, 1984

ACTION: Not authorized.

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

1. Your application is for the Conifer Lane Subdivision Sewer System. I see no plans for a water distribution system but there are specifications. Is a water system to be installed at this time? If so, we must review the plans and permit the proposed system prior to construction.
2. I would suggest that the inverts of manholes B-1 and C-2 be raised to provide for a slope greater than 0.4% slope. This suggestion is contingent upon factors that I can't determine from the plans, i.e. future extension of the sewer or deep basements in the homes.
3. Unless you have specific reasons for designing a shallow installation, the inverts of manholes A-1 and A-2 should be lowered to provide for greater protection of the sewer line.
4. How will the owner insure that the leach area will be protected from unauthorized traffic or parking?
5. Section A-A of the leach bed shows a different layout than the plan view. Would you please verify the design.
6. How far are the leach pipes from the leach bed walls?
7. Using the proposed Department of Environmental Quality regulations, for a percolation rate of 8.62 min/inch, the application rate is about 0.66 gallons/ft<sup>2</sup>/day. For 15 bedrooms at 150 gallons/bedroom the flow is 2,250 gallons.

AC

Review of Plans and Specifications  
Conifer Lane Subdivision Sewer System #84-14  
January 18, 1984  
Page Two

Therefore, a leach bed of 3,409 ft<sup>2</sup> is required. Your design has a total area of 2,672 ft<sup>2</sup>. Please make the necessary adjustments.

8. We can't permit the future septic tanks and leach beds at this time. The regulations require that all permitted facilities be constructed within 5 years maximum from the date of issuance of any permit. A permit for the Conifer Lane Subdivision will have a two year period in which the Permit to Construct will be in effect.

The future septic tanks and leach beds must be permitted under separate applications when the owner needs to have them constructed.

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

JH:dcn



THE STATE OF WYOMING

MA 14068

ED HERSCHLER  
GOVERNOR

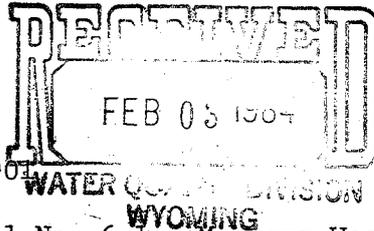
*Department of Environmental Quality*  
*Water Quality Division*

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

January 31, 1984



Celcius Energy Co.  
Attn: Jennifer Head  
P. O. Box 458  
Rock Springs, WY 82901

Re: Cedar Breaks Well No. 6-1 - Mancamp Wastewater Disposal Facility  
DEQ/WQD No. 84-15.

Dear Jennifer:

The above mentioned facility is located in NE $\frac{1}{4}$  Sec. 6, T13N, R94W, Sweetwater County, Wyoming. After reviewing the facility plans, they appear to meet the minimum design standards for the State of Wyoming.

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

This authorization is valid only for this temporary facility. Temporary being defined as one year or less. This office needs to be notified in writing, within 30 days, when the facility has been removed.

Wyoming Water Quality Rules and Regulations require that a "Permit to Construct" be obtained prior to construction of the facility. If your company is finding that the time frame is a problem, I would like to suggest that you obtain Statewide Permits for the types of facilities you wish to install.

As per your letter dated January 9, 1984 we are cancelling Permit No. 83-661R.

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

Sincerely,

Jack Bedessem  
Area III Supervisor

JB:mpm

cc: Walt George- BLM Rawlins  
Cheyenne DEQ/WQD  
File (5)



84-16R  
MA 14068  
ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

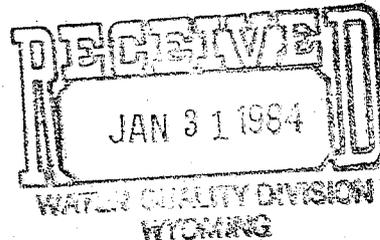
2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 30, 1984

Mr. Richard Smith  
Area Drilling Superintendent  
Gulf Oil Corporation  
P.O. Box 2619  
Casper, Wyoming 82602



Dear Mr. Smith:

I have reviewed your most recent submittal for the Gulf Temporary Well Site Camp Holding Tank location in Section 9, T.53N., R.84W. The submittal meets our requirements and the wastewater disposal facility is hereby approved. Since it has already been built, a permit to construct cannot be issued, however this letter will serve essentially the same purpose. You should retain the letter for your records.

Holding tanks are considered temporary facilities and as such your tank is permitted for a period of six months only. An extension, however, can be applied for if necessary.

The requirements in the Notice of Violation and Order that you received regarding this matter have been met. The violation is hereby considered resolved. Please call me if you have any questions.

Thank you for your time.

Sincerely,

Rich Ruyle  
Environmental Engineer

RR:ls

xc: Owen Board  
Jake Strohman  
Gregory Van Wagner

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Gulf Temporary Well Site Camp Holding Tanks

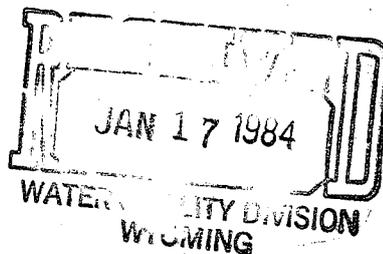
APPLICANT: Richard C. Smith, Area Drilling Superintendent  
Gulf Oil Corporation  
P.O. Box 2619  
Casper, Wyoming 82602

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-16

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: January 16, 1984

ACTION: Not Authorized



COMMENTS:

- 1.) Our regulations require that the plans be signed or stamped by a professional engineer registered in Wyoming. Please have the "Plan Sheet" signed and fill in the engineer's information at the bottom of the application form.
- 2.) Please submit a detail sheet of the holding tank, itself. Apparently there is a pump in the tank being used to transfer wastewater into the tank. Or does the pipe to the tank drain by gravity? In either case, you should ensure that standing water is not left in the pipe where it may freeze.

Feel free to call me with any questions.



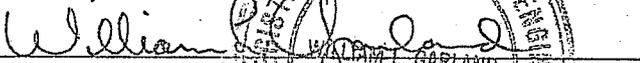
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
February 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.

\* CONDITION ON PERMIT \*

This permit is issued with the intent of providing an interim on site wastewater treatment facility until such time that treatment is available through the City of Cody's wastewater system.

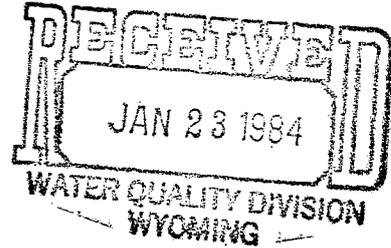
The facility authorized by this permit can be operated until the City system is made available. At that time, the facility authorized by this permit, will be abandoned and a connection made to the City collection system.

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: Lockhart House Septic System

ENGINEER: Roy R. Holm  
P. O. Box 1748  
Cody, WY 82414

OWNER: Lloyd & Verene Londerville  
Rt. 1, Box 836  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #84-17

REVIEWING EVALUATOR: Jeff Hermansky

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

DATE OF REVIEW: January 17, 1984

ACTION: Not authorized.

COMMENTS: I have reviewed your application and found a few areas that need to be addressed before a Permit to Construct can be issued.

The concern I have with the application is that it appears that you have combined the requirements of a couple of different standards. You have to use either standard for both design flows and sizing, not a combination of both. Specifically, your design flows are apparently from the Manual of Septic Tank Practice and your sizing from the proposed DEQ standards. Use one or the other in its entirety.

How did you determine the allowable application rate for a 10 minute per inch soil to be 0.8 gallons per square foot per day?

The Manual of Septic Tank Practice allows up to 1.58 gallons per ft<sup>2</sup>/day while the proposed DEQ regulations allow 0.625 gallons/ft<sup>2</sup>/day.

I would recommend you use the Proposed DEQ standards for your design. Therefore, assume 6 gallons per person per meal. I agree that 40 gallons per person per day is reasonable for the Hostel. The proposed regulations do not specifically address a hostel or boarding house.

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

JH:dcn

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY/WATER QUALITY DIVISION

Groundwater Pollution Control Permit

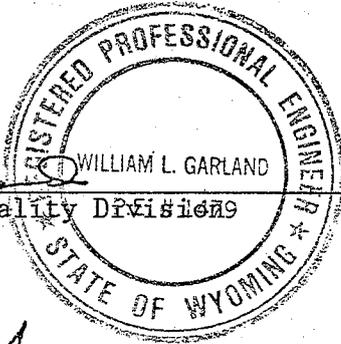
APPROVAL FOR TRANSFER OF RESPONSIBILITY

Reference GPC 84-18R

TO: <u>Umetco Minerals Corp.</u>	and	<u>Union Carbide Corp.</u>
<u>P.O. Box 5100</u>		<u>P.O. Box 5100</u>
<u>Gas Hills Station</u>		<u>Gas Hills Station</u>
<u>Riverton, WY 82501</u>		<u>Riverton, WY 82501</u>
<u>(new/present owner/operator)</u>		<u>(former owner/operator)</u>

The transfer of the operation and all associated responsibilities of GPC 84-18R for the A-9 collection drip system at the Gas Hills facility in Section 15, T13N, R89W, Natrona County is approved, effective August 1, 1984.

William L. Garland  
Administrator - Water Quality Division  
Phone: (307) 777-7781



July 17, 1984  
Date

Robert E. Sundin  
Director - Department of Environmental Quality

July 17, 1984  
Date

3-5-84

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 1, 1984

Mr. Pat Lyons  
General Superintendent  
Union Carbide Corporation  
P.O. Box 5100, Gas Hills  
Riverton, WY 82501

RE: Permit GPC 84-18R

Dear Mr. Lyons:

Enclosed are two copies of the signed permit for the operation of the A-9 Collection Drip System which includes acid drip wells DB1, DB2, DC1 and DC2. All four wells are located in the SE1/4 SW1/4 Section 15, T33N, R89W, in Natrona County.

Please note the following:

1. Enclosed with this letter are several copies of form GPC 7. One copy of this form must accompany each submittal of information to the Groundwater Section of the Water Quality Division. This form can be reproduced, or additional copies may be requested as needed. The form is to be signed as specified in Section Q of the permit, Signatories Requirement. All reports are to be signed by an executive officer of at least the level of vice president, or a duly authorized representative as described in Section Q.
2. The administrator of the Water Quality Division or his representative must be notified 48 hours before injection is to start. Written notification must be provided within 7 days after injection commences, of the date and time of commencement.
3. If the authorized injection rate is exceeded, this shall be reported as specified in Section I of this permit.
4. Additional monitoring requirements are included in Section F of this permit.
5. The initial quarterly report required under this permit will be for the quarter in which activities commence. All data shall be reported within 30 days after the end of the reporting period to the Groundwater Section.

Mr. Pat Lyons  
March 1, 1984  
Page 2

- Chapter IX, Section 15, of the Water Quality Rules and Regulations states that "The owner/operator of record is always responsible for permit compliance. A permit holder desiring to transfer his permit shall apply to the administrator and the potential transferee shall agree, in a written statement to the administrator, to be bound by all the terms and conditions of the original permit. Upon notification of transfer approval by the director to both the old and new operators, the new operator becomes the operator of record."

Sincerely,



William L. Garland  
Administrator

WLG/KL/nc

cc: Tom Wong, Union Carbide Corp., P.O. Box 5100, Gas Hills, Riverton, WY 82501

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

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

(X) New

Permit Number:

( ) Modified

GPC 84-18R

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

Union Carbide Corporation  
Pat Lyons, General Superintendent  
P.O. Box 5100, Gas Hills  
Riverton, WY 82501

is authorized to operate

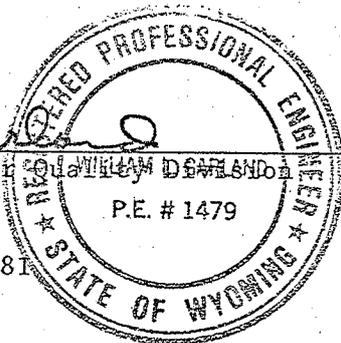
the A-9 Collection Drip System

which includes 4 acid drip wells identified in the permit application as DB1, DB2, DC1 and DC2. Acid wells DB1 and DB2 are located 15 feet south and west, respectively, of collection well GW3B. Acid wells DC1 and DC2 are located 15 feet south and west of collection well GW3C. All wells are located in the SE 1/4 SW1/4 Sec. 15, T33N, R89W in Natrona County.

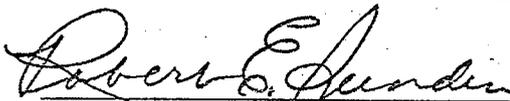
according to procedures and conditions of the application GPC84-18R and requirements and other conditions of this permit.

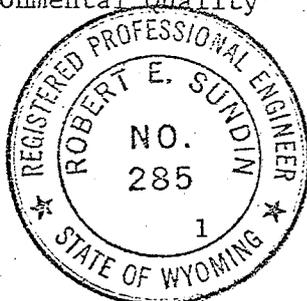
This permit shall become effective on date of issuance.

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



February 22, 1984  
Date

  
Director - Department of Environmental Quality  
401 West 19th Street  
Cheyenne, WY 82002



Febr 23, 1984  
Date

A. Discharge (Injection) Zone and Area of Review

The discharge zone is located within the Upper Wind River Formation, and is confined to 4 discharge wells designated on page 1 of the permit application, and to the 40 foot interval of perforated casing located approximately 105 feet to 145 feet below the land surface. The area of review extends throughout that portion of the formation which may be affected by the discharge, and at a minimum within a radius of 1/4 mile of each of the acid drip wells.

B. Groundwater Classification

The ambient quality of groundwater in the Wind River Formation is suitable for livestock purposes although radium concentrations may range from 10 pCi/l to 100 pCi/l. In the general vicinity, groundwater from the Wind River formation is used for livestock purposes. Therefore, it is classified as Class III, suitable for livestock use.

C. Authorized Operations

The permittee is authorized to drip concentrated sulfuric acid into 4 proposed drip wells located within 15 feet of 2 collection wells as specified in the permit application, as a miscellaneous discharge to underground water. The application indicates that a maximum total drip rate of 10 gal/day in each drip well (20 gallons per day per collection well, or 40 gal/day for 2 collection wells) will be sufficient to maintain the pH of the collection water at 3.5 or less. The low pH is required to prevent the formation of an aluminum sulfate precipitate in the collection wells. The proposed drip wells are located within the cone of depression formed by the collection wells. The addition of the acid is expected to increase the pumping rate of the collection well, and should prevent contaminated groundwater in the vicinity from flowing further down gradient.

A uniform drip rate will be maintained with a Gorman-Rupp Model 14250-001 Bellows Metering Pump which will feed each set of drip wells from a 100 gallon feed tank. The motor of each of the Bellows metering pumps will be wired to its respective collection well pump so it will cease operation when the collection pump is off. Each Bellows metering pump will be checked each shift to determine whether the pump is operating.

Sulfuric acid will be manually transferred from a main storage tank to the feed tanks about once a week. The feed tank volume will be read every day to monitor actual acid usage.

The permittee shall not exceed a maximum acid drip rate of 10 gallons per day in each drip well without prior written approval of the Administrator.

The permittee shall notify the Administrator of the Water Quality Division, or his representative, 48 hours before injection is to start. Permittee shall provide written notification within 7 days after injection commences of the date and time of commencement.

D. Proper Operation and Maintenance

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

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

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

E. Entry and Inspection

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

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

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.
3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;

- b. The name(s) of individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. Names of individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

The permittee shall keep all intake and drip tubing, tanks, and pumps in working order.

Periodic operating records for the acid drip and collection wells will be kept by the permittee. Included in these records will be records of the average daily acid drip rate and the maximum daily acid drip rate, and the discharge rates in the corresponding collection wells. Pump down times in the collection wells should be documented and the corresponding shut down of the drip system verified.

Quarterly reports will be submitted to the Water Quality Division. In addition to the operating records and the documentation required in Section K of this permit, the reports will include the water quality data that has been collected in wells GW7, GW8, PW3A and PW4 as part of UCC's existing monitoring program during that quarter. Water level elevations will be monitored in wells GW7, GW8, PW3A, PW4, RW1 and RW2. Potentiometric data will be submitted in tabular form and as a map based on water levels measured in the specified wells.

G. Requirements for Monitoring the Discharge

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

These requirements are not applicable.

H. Test Procedures

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

I. Records and Reports

- 1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the report or application.

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

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

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.
9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:

- a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
  - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
  - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.
11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.
  12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

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

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

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

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

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

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

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

The requirement for public notice is not applicable.

K. Mechanical Integrity

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

Visual inspection to verify that the wells have been completed according to the specifications illustrated in figure 9, page 16 of the permit application. The drip wells will be drilled with a 5-1/8 inch diameter rotary drill bit and completed with 2 inch diameter schedule 40 PVC casing. The lower 40 feet of each well will be completed with 2 inch PVC perforated casing and capped at the bottom. The drill hole will be washed with fresh water before installation of the well casing. A gravel pack will be placed in the annulus of the well adjacent to the entire perforated interval. A bentonite plug will be placed on top of the gravel pack to seal the well annulus above the perforations. The remainder of the well annulus will be backfilled with drill cuttings to an elevation of 10 feet below the land surface. A cement seal will be placed in the well annulus to a depth of at least 10 feet below the ground surface. A PVC cap with a drill hole for the 3/8 inch drip tubing will be secured with a screw to the top of the casing.

Documentation will be provided in quarterly reports that will indicate the maintenance of a 15 gpm pumping rate in all corresponding collection wells, and drawdown in observation wells specified in section F.4 of this permit.

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

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.

L. Abandonment

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

Plugging and abandonment procedures will be implemented upon the discontinuance of each particular well or upon the termination of the useful operation of a well.

M. Duties of the Permittee

It is a duty of the permittee to:

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

N. Financial Responsibility

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

Not applicable.

O. Special measures the Director finds necessary:

In the event of unauthorized movement of sulfuric acid, the permittee will take immediate corrective action.

The permitted activity must commence within one year of the issuance date of this permit or the permit will be invalid.

P. Special permit conditions:

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

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

Q. Signatories Requirement

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

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

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

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

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

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

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

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

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

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

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

S. Permit Transfer

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

T. Responsibilities

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

U. Property Rights

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

V. Severability

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



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.

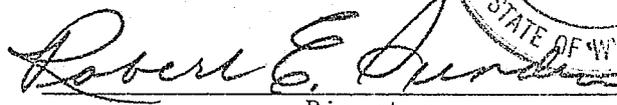
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
\_\_\_\_\_  
REGISTERED PROFESSIONAL ENGINEER  
ADMINISTRATOR  
WATER QUALITY DIVISION  
P.E. # 1479  
STATE OF WYOMING

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

February 1, 1984  
\_\_\_\_\_  
Date of Issuance

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

EB:dcn

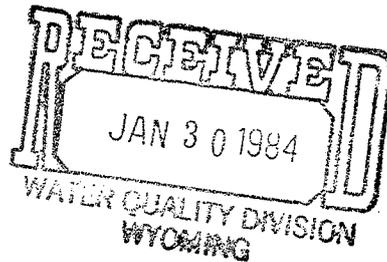
TELEPHONE REVIEW

TO: Mountain View Improvement & Sewer District Application #84-19  
FROM: Ed Baruth; Jeff Hermansky; Northwest District  
DATE: January 25, 1984  
SUBJECT: Plan Review

On January 25, 1984 a telephone review of the Mountain View Improvement & Sewer District, Plans and Specifications for a sewer collection system was made.

Mr. Vern Nelson, Big Horn Engineering, agreed to provide three copies of the plan cover sheet with signed acceptance of the project by the City of Worland. He will also provide a letter certifying that soils are acceptable for sewer line placement with a minimum of impacted backfill needed.

EB:dcn



PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-20R  
 SEE CONDITION  
 MA 14068

Natural Bridge Equine Center  
 (Name of Facility)

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

Dr. Lawrence Ventura, D.V.M.  
Natural Bridge Equine Center  
148 Natural Bridge Road  
Douglas, WY 82633

to construct, install, or modify a subsurface sewage treatment and disposal facility according to the procedures and conditions of the application No. 84-20R. The facility is located in Section 4, T32N, R73W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

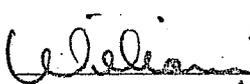
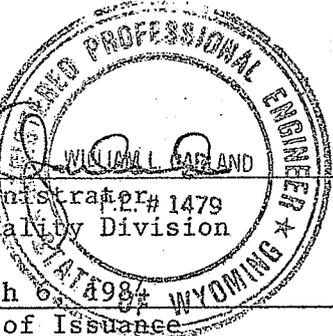
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

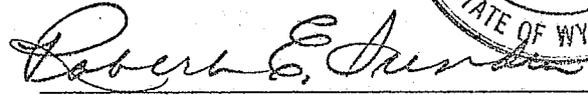
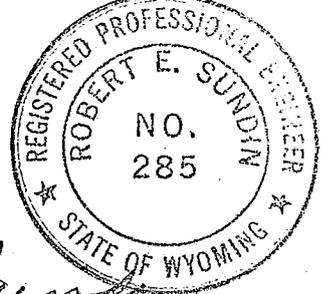
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
  
Administrator # 1479  
Water Quality Division  
March 6, 1984  
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

The permittee shall notify representatives of Converse 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:

Chuck Higgins, Converse Co. Health Dept., 127 No. 5th St., Douglas, WY 82633  
Telephone: 358-2536

cc: Gary E. Case  
214 S. 4th Street  
Douglas, WY 82633

Review of Plans and Specifications

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

PROJECT: Natural Bridge Equine Center, Converse Co.

ARCHITECT OR ENGINEER: Gary E. Case, P.E.  
214 S. 4th St., Douglas, WY 82633

APPLICANT: Dr. Lawrence Ventura, Natural Bridge Equine Center  
149 Natural Bridge Road, Douglas, WY 82633

WATER QUALITY DIVISION REFERENCE NUMBER: 84-20

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

DATE OF REVIEW: January 23, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans that were submitted were not signed or sealed by a registered engineer.
2. The Water Quality Division's detail sheets for septic tanks and soil absorption systems for home sewerage systems were submitted. These cannot be accepted unless they are signed or sealed by the engineer as being the design that will be constructed.
3. The plan view of the system should reflect appropriate dimensions to characterize the system that will be built.
4. How did you arrive at the volume of wastewater you indicated on the application?
5. The percolation rate indicated appears to be the average of all readings. This is inappropriate since only the stabilized rates should be averaged.
6. The distance from the ground surface to the first free water (at its highest level at any time during the year) must be provided.
7. The detail sheet indicates a bed system will be provided but the drawing indicates a trench system. Please clarify.
8. At least three sets of plans are required when revisions are submitted.
9. Since the plans were too incomplete, this is not a complete review.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-21

Ref. No. 83-560

SEE SPECIAL CONDITIONS ON BACK

MA 14068

The Cottonwoods  
(Name of Facility)

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

Bill Lythgoe

P.O. Box 34

Glenrock, WY 82637

to construct, install, or modify a subsurface sewage treatment and disposal facility according to the procedures and conditions of the application No. 84-21. The facility is located in Section 4, T33N, R75W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

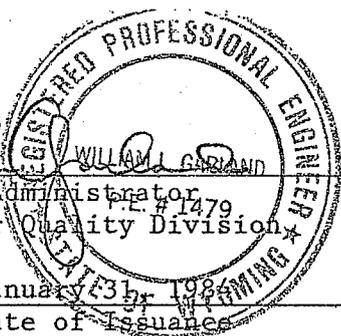
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

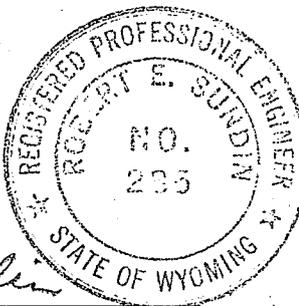
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer, William L. Gorman, No. 1479, State of Wyoming. The seal is stamped over a signature and the text "Administrator, Water Quality Division".  
William L. Gorman  
Administrator  
Water Quality Division  
January 23, 1986  
Date of Issuance

A circular seal for a Registered Professional Engineer, Robert E. Sundin, No. 233, State of Wyoming. The seal is stamped over a signature and the text "Director, Dept. of Environmental Quality".  
Robert E. Sundin  
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. This soil absorption system shall be placed in the existing on-site soils only.
2. This facility shall not be placed under a parking area. It shall be protected from traffic.
3. The permittee shall notify representatives of the Converse 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:

Chuck Higgins, Converse Co. Health Dept., 127 N. 5th St., Douglas, WY 82633  
Telephone: 358-2536

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

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-22R  
MA 14868

Laramie Fire Department, L.F.D. Tract  
(Name of Facility)

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

City of Laramie

P.O. Box C

Laramie, WY 82070

to construct, install, or modify a municipal wastewater collection facility according to the procedures and conditions of the application No. 84-22R. The facility is located in Section 4, T15N, R73W in the County of Albany, in the State of Wyoming.

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

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

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

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

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

February 24, 1984  
\_\_\_\_\_  
Date of Issuance

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

cc: W. J. Nelson  
City of Laramie  
P.O. Box C  
Laramie, WY 82070

1-27-84

Review of Plans and Specifications

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

PROJECT: L.F.D. Tract, Albany Co.

ARCHITECT OR ENGINEER: W.J. Nelson, City of Laramie  
P.O. Box C, Laramie, WY 82070

APPLICANT: City of Laramie  
P.O. Box C, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 84-22

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

DATE OF REVIEW: January 24, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans were not signed by a professional engineer.
2. Although stated in the design report, the plans did not specify the pipe class other than just PVC pipe.

PERMIT TO CONSTRUCT

5-31-87

- New
- Renewal
- Modified

Permit No. 84-23RRR  
SEE SPECIAL CONDITION  
MA 14068

Medicine Bow Coal Mine Drainage Control  
(Name of Facility)

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

Ed Langrand

Arch Mineral Corp.

P.O. Box 490

Hanna, WY 82327

to construct, install, or modify a industrial sedimentation control facilities (Ponds 1-1 to 1-3, 2-1 to 2-6, 2-8 to 2-22 facility area, tipple area and natural playas) according to the procedures and conditions of the application No. 84-23RRR. The facility is located in Sec. 19, 29, 30, 31, 32, 33, T23N, R83W and Sec. 13, 25, 35, 36, T23N, R84W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of 5 years (5 years maximum) from the date of issuance of this permit.

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

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

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

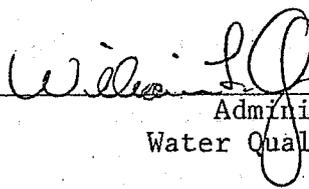
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

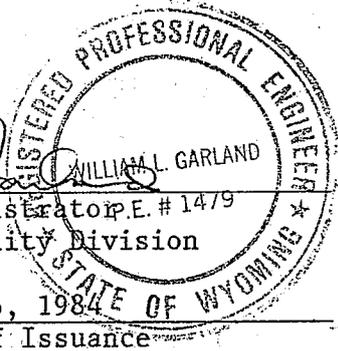
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

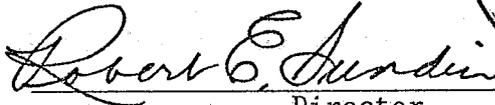
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

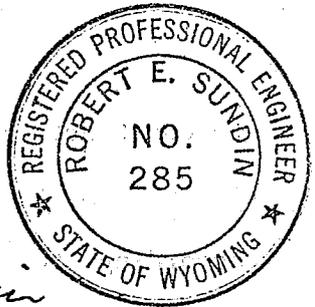
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
May 25, 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 to Permit to Construct

Pond designation #2-6 and #2-7 are for the same pond and will be identified as #2-6 for future reference.

cc: Robert W. Shanks  
Arch Mineral Cor.  
200 North Broadway St.  
St. Louis, MO 63102

5-11-84

Review of Plans and Specifications

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

PROJECT: Medicine Bow Drainage Control, Carbon Co.

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

APPLICANT: Ed Langrand, Arch Mineral  
P.O. Box 490, Hanna, WY 82327

WATER QUALITY DIVISION REFERENCE NUMBER: 84-23RR

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

DATE OF REVIEW: May 10, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The pumping capacity of the two-600 gpm pumps is inadequate to empty the sedimentation ponds. The 26 ponds can hold over 65 acre-feet of wastewater. It would take 12.3 days to empty the ponds which does not consider down time to transfer pumps from pond to pond. The NPDES permit requires ponds to be emptied within 10 days. Pumping capacity must be increased to meet the 10 day limit plus a safety factor for transferring pumps from pond to pond.
2. The federal requirements state that runoff from coal storage areas (tipple area) is considered process water and treatment discharges must be identified in the NPDES permit. Please contact John Wagner, DEQ/WQD, to modify your NPDES permit for the Medicine Bow and Seminoe Mines.

cc: John Wagner

3-23-84

Review of Plans and Specifications

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

PROJECT: Medicine Bow Drainage Control, Carbon Co.

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

APPLICANT: Ed Langrand, Arch Mineral  
P.O. Box 490, Hanna, WY 82327

WATER QUALITY DIVISION REFERENCE NUMBER: 84-23R

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

DATE OF REVIEW: March 22, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Attached are the review comments of February 2, 1984. Items #2, 3, 4, 5, 6, 7 and 9 were not addressed in your March 16, 1984 submittal. Please address and resubmit them.

Review of Plans and Specifications

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

PROJECT: Medicine Bow Drainage Control, Carbon Co.

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

APPLICANT: Ed Langrand, Arch Mineral  
P.O. Box 490, Hanna, WY 82327

WATER QUALITY DIVISION REFERENCE NUMBER: 84-23

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

DATE OF REVIEW: February 2, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans were not signed or sealed by a Wyoming professional engineer.
2. More information is needed on the playas in order to have them acceptable. The capacity and limits of each must be established. Also identify a specific discharge point. The department must be assured that there will be adequate capacity for the 10 year-24 hour storm event. How will you determine how full they can get before they must be emptied?
3. What was the design flow used to determine the configuration of the runoff retention ditch? Also a minimum and maximum slope must be stated? A ditch without any slope does not pass any water while too much of a slope will cause erosion problems if not stabilized.

In figure 3.10A, the ditch width should be 14 feet given the depths and side slopes stated.

4. The applicant must submit a plan of operation on how the water from the ponds will be removed. The 26 ponds not including the playas have over 65 acre-feet of capacity. The NPDES requires the ponds to be emptied within 10 days after the water meets discharge parameters.

Also how will the water be removed down to the dead pool without agitating the sediments.

5. The tipple area was included in this application which has been applied for previously under application #83-505. Which application do you wish to include it in? Since the pond is already constructed, it is a violation since a permit has not been issued.

The tipple area is the only pond that will contain process water. If any of the other ponds will contain process water, a permit to modify will be required. Ponds that contain process water must be identified in the NPDES permit.

6. Provide more detail on the riprap, i.e. size ranges, depth, dimensions on pond, etc.
7. What is the minimum freeboard that will be provided?
8. Could an extra copy of the plans be submitted to be used by DEQ during inspections?
9. The following are specific questions concerning the ponds:
  - a. Is pond 2-14 sized according to mining or post-mine conditions?
  - b. Mine 13-127, pond #2-20 is shown on mining plan but not identified on the report.
  - c. Mine 11-127, ponds 3-1, 3-2, 3-3, are not shown on post-mine plan.
  - d. Mine 1-127, ponds 3-6, 3-7, 3-8 are not labeled. What happened to #3-5 upon reclamation?
  - e. Mine 31-123, ponds 3-10, 3-11, 3-12 are not labeled on mining and post-mining plans.
  - f. Playa for mine 35-24 not shown on mining plan.
10. Concerning Section 3.8.1.1, 5th paragraph; it is a correct statement that Arch is not responsible for precipitation events that exceed the 10 year-24 hour event. But this is only true if the ponds are emptied after every rain event as required in the NPDES permit.



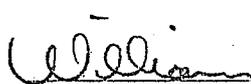
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

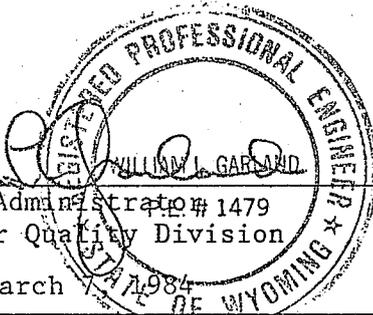
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

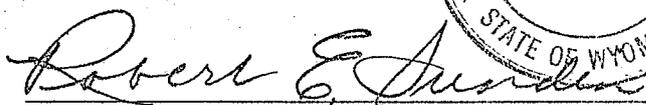
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

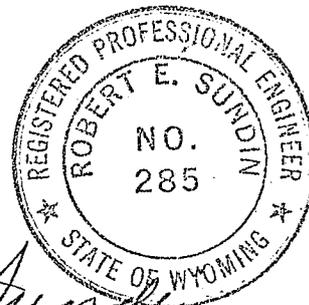
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Admin. Strator # 1479  
Water Quality Division  
March 7, 1984  
\_\_\_\_\_  
Date of Issuance



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



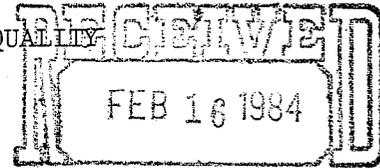
This permit does not supercede the requirements for obtaining any permit from local agencies.

\* This permit does not include water well and pumphouse no. 3.

xc: Alliance of Architects and Engineers  
P.O. Box 6161  
Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS

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



WATER QUALITY DIVISION  
WYOMING

PROJECT: Antelope Valley Subdivision Water Storage Reservoir No. 2.

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

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-24

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: February 10, 1984

ACTION: Not Authorized

COMMENTS:

- 1.) The enclosed application sheet must be completed and signed by the applicant and returned to us in triplicate.
- 2.) The front page of the plans themselves must be signed or stamped by a professional engineer registered in Wyoming. I have returned them for this purpose.
- 3.) Please provide calculations to verify that the new storage capacity will meet the needs of Antelope Valley. If fire protection is provided, the storage capacity must be able to provide fire flow and peak demand for two hours. If there is no fire protection, the required storage is equal to the average daily demand based on 100 gallons/capita/day.
- 4.) Am I correct in assuming that water well no. 3 pumphouse serves the well shown on sheet two and that no new well is planned under this submittal?
- 5.) I believe the specification for painting the water tank (p. 91) should be AWWA Standard D102 rather than D103.

Feel free to call me with any questions.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-25R  
MA 4068

BUILD-RITE BUILDERS - TOWNHOUSE DEVELOPMENT

(Name of Facility)

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

BUILD-RITE BUILDERS, INC.

4101 Monroe Drive

Rock Springs, WY. 82901

to construct, install, or modify a 84' of 6" collection pipe with two 6" cleanouts  
and 20.5' of 8" sewer collection and 5.94 vertical feet of 48" sanitary sewer  
manholes.

facility according to the procedures and conditions of the

application No. 84-25R. The facility is located in \_\_\_\_\_

Sec. 14, T19N, R105W

\_\_\_\_\_ in the County of SWEETWATER,

in the State of Wyoming. This permit shall be effective for a period of TWO (2)

years (five (5) years maximum) from the date of issuance of this permit.

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

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

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-

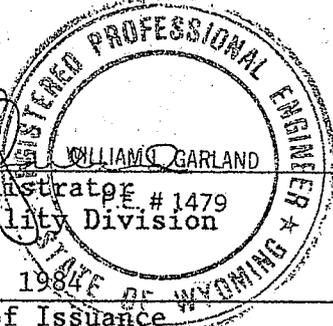
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

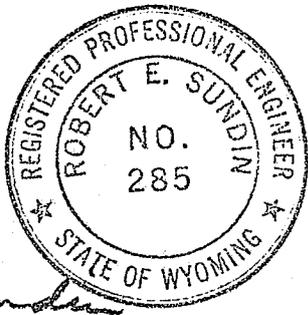
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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*  
WILLIAM GARLAND  
Administrator #1479  
Water Quality Division  
STATE OF WYOMING  
April 27, 1984  
Date of Issuance

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

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

JB:mpm

cc: Harry J. Kessner  
Bennett-Carder & Associates, Inc.  
507 5th Street  
Rock Springs, WY 82901

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: Townhouse Development-Century West

ENGINEER: Harry J. Kessner  
Bennett-Carder and Associates, Inc.  
507 5th Street  
Rock Springs, WY 82901

OWNER: Build-Rite Builders, Inc.  
4101 Monroe Drive  
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 84-25

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 10, 1984

ACTION: Not Authorized.

COMMENTS: An initial review of your plans and specifications has been made. Before the review can be completed the following items need to be addressed:

1. A letter from the City of Rock Springs should be submitted, indicating that the city will accept the sewage from this development.
2. The location of proposed and existing water lines needs to be included on the plan sheet.
3. It should be noted in the specifications and on the plans that the adequate separation distances will be maintained between water and sewer lines.

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

AC



6-11-84

MA 14068

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 8, 1984

Mr. H. C. Pete Hunter  
Seminoe Boat Club, Inc.  
1114 11th Street  
Rawlins, WY 82301

RE: As Built Plans for Bankers Cove Subdivision, Seminoe Boat Club,  
#84-27RR

Dear Mr. Hunter:

The as built plans for the potable water lines in the Bankers Cove Subdivision have been reviewed and are hereby accepted for the record with the following conditions:

1. Not more than seven (7) service connections shall be made to the water line.
2. There shall be no lawn watering in this total development.

Because the water line has already been constructed, a "permit to construct" cannot be issued. However, you may consider this letter as authorization for your system.

Sincerely,

A handwritten signature in cursive script, appearing to read "William L. Garland".

William L. Garland  
Administrator

WLG/TC/nc

cc: Paul McCarthy, Robert Jack Smith & Assoc., P.O. Box 1104, Rawlins, WY 82301  
Frank Alguire, Carbon Co. Planning Commission, P.O. Box 149, Rawlins, WY 82301

4-26-84

Review of Plans and Specifications

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

CERTIFIED

PROJECT: Bankers Cove Subdivision, Carbon Co.

ARCHITECT OR ENGINEER: Paul J. McCarthy, Robert Jack Smith & Assoc.  
P.O. Box 1104, Rawlins, WY 82301

APPLICANT: Seminole Boat Club, Inc., c/o H. C. Hunter  
1114 11th Street, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 84-27R

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

DATE OF REVIEW: April 24, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. You determined a peak hourly flow as three times the average daily flow. We disagree. Three times the average daily flow can be considered the peak day flow, but not the peak hour. Since you do not have water use records, the peak hour flow should be calculated at ten times the average daily flow. This would give a flow rate of 140 gpm. This system will not function properly even at 75 gpm because of excessively low pressure therefore the system is not acceptable.
2. Since this sytem has already been constructed, a proposal as to how this system will be upgraded to bring it into compliance must be submitted to this office within 60 days from receipt of this letter.

cc: Frank Alguire  
Carbon County Planning Commission  
P.O. Box 149  
Rawlins, WY 82301

1-26-84

Review of Plans and Specifications

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

PROJECT: Bankers Cover Subdivision Water Main, Carbon Co.

ARCHITECT OR ENGINEER: Robert Jack Smith & Associates, Inc.  
1015 Harshman, Rawlins, WY 82301

APPLICANT: Seminole Boat Club  
P.O. Box 369, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 84-27

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

*Theodore D. Coyer*

DATE OF REVIEW: January 24, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans must be signed or sealed by a registered engineer.
2. What is the working pressure of this potable water system? Will a minimum working pressure of 35 psi be maintained throughout the system? How was this determined?
3. The plans indicate that PVC pipe will be used. What is the class of this pipe?
4. Specifications for installation of the water main must be indicated.
5. A blow off must be provided at the end of the water main. A detail of it is needed.
6. How many living units will be connected to this system. Please indicate the number of existing and proposed.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-28RRR

MA 14506

Town of Torrington, Well #14 and #6  
(Name of Facility)

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

Town of Torrington

P.O. Box 250

Torrington, WY 82240

to construct, install, or modify a municipal water wells and appurtenances facility according to the procedures and conditions of the application No. 84-28RRR. The facility is located in Section 14, T24N, R61W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

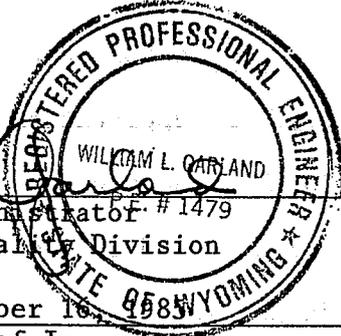
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
September 16, 1985  
Date of Issuance





Director  
Dept. of Environmental Quality

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

cc: John T. Baker  
Baker, Sweeney & Associates  
1915 First Avenue  
Scottsbluff, NE 69361



THE STATE OF WYOMING

7-17

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 16, 1985

Town of Torrington  
P.O. Box 250  
Torrington, WY 82240

Gentlemen:

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

Facility name:	Torringtons Well #14
DEQ/WQD Reference Number:	84-28RR
Engineering Consultant:	Baker, Sweeney & Assoc.
DEQ/WQD Reviewing Engineer:	Thomas S. Norman
Date of DEQ/WQD Review:	January 8, 1985

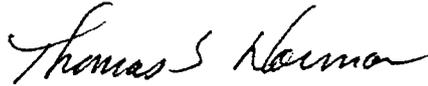
According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

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

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

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

Sincerely,



Thomas S. Norman  
Water Quality Engineer  
Water Quality Division

TSN/nc

cc: Baker, Sweeney & Associates  
1915 1st Ave.  
Scottsbluff, NE 69361

1-10-85

Review of Plans and Specifications

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

PROJECT: Town of Torrington, Well No. 14, Goshen Co.

ARCHITECT OR ENGINEER: Mark Smith, Baker, Sweeney & Associates  
1915 First Ave., Scottsbluff, NE 69361

APPLICANT: Town of Torrington  
P.O. Box 250, Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 84-28RR

REVIEWING ENGINEER: Thomas S. Norman *TBN*

DATE OF REVIEW: January 8, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The water analysis is incomplete as tests for organic chemicals and radionuclides have not been submitted to DEQ.

2-22-84

Review of Plans and Specifications

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

PROJECT: Town of Torrington, Well No. 14, Goshen Co.

ARCHITECT OR ENGINEER: Mark Smith, Baker, Sweeney & Assoc.  
1915 First Ave., Scottsbluff, NE 69361

APPLICANT: Town of Torrington  
P.O. Box 250, Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 84-28R

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

DATE OF REVIEW: February 16, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

A permit to construct cannot be issued until items 6 through 9 have been submitted to DEQ. Of course this information is not available until the well has been dug, developed, and tested for quantity and quality. If you feel confident you can address the other items adequately, you need not respond until all the information is available. In other words, this letter serves as authorization for you to go ahead and complete the well to obtain the final information.

1. How was the TDH obtained for the pump? What are the limits or conditions of how the pump will be turned on and off?
2. Obviously there is a need for another well. What amount of flow is necessary to meet that need and how was it determined? Ten State Standards requires that the total groundwater sources exceed the maximum day requirements and that the average day demand be met with the largest well out of service.
3. As a precautionary measure, the town should have a plan in the event this well would show contamination. Could this system be adapted for chlorination along with a 30 minute detention time?
4. Where does the floor drain go to?
5. The air release must be on upstream side of check valve.
6. I want to make sure that the contractor is aware that well development is a separate activity from pump testing and the specifications are not real clear on this. Most of the time the information that is obtained from pump testing is taken during well development and the information is useless. Item 15 of the SCP and item 15 of specification A need to be reworded.
7. The well test information must be submitted and should include:
  - a. Test pump capacity - head characteristics.

- b. Static water level.
  - c. Depth of test pump setting.
  - d. Time of starting and ending each test cycle - these should be minimized.
  - e. Pumping rate - should be constant.
  - f. Pumping water level at sufficient time intervals to do a yield analysis.
  - g. Drawdown.
  - h. Water recovery rate and levels.
  - i. Water depths in any observation wells versus time.
8. The pump test must be 1.5 times the final working rate or design rate of the permanent pump.
  9. The water must be analyzed for chemical, biological and radiological parameters.
  10. More information is needed on well #6.
    - a. What problems have occurred that require these modifications?
    - b. What design parameters have changed and how much (i.e., TDH, pump flows, well capacity, static water level, screen depth, etc.)?

2-3-84

Review of Plans and Specifications

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

PROJECT: Town of Torrington, Well No. 14, Goshen Co.

ARCHITECT OR ENGINEER: Marle G. Smith, Baker, Sweeney & Assoc.  
1915 1st Ave., Scottsbluff, NE 69361

APPLICANT: Town of Torrington  
P.O. Box 250, Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 84-28

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

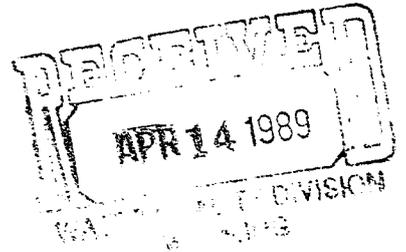
DATE OF REVIEW: February 3, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The application submitted is inadequate. A design report, detailed plans, and specifications are required in accordance with Chapter III, Water Quality Rules and Regulations and Ten State Standards, Sections 1.1-1.3, 3.2, and 6.0-6.6. Please refer to these sections and submit the information stated so the Department can evaluate your application to determine if the minimum requirements are met.
2. The plans must be signed or sealed by a Wyoming registered engineer.

MEMORANDUM



TO: FILE  
FROM: Sterling Roberts *SR*  
DATE: April 12, 1989  
SUBJECT: Old Construction projects

The following construction projects have been cancelled or withdrawn. The following list indicates the status of these projects.

<u>Permit Number</u>	<u>Facility Name</u>	<u>Status</u>
81-624	Battle Mt. Lodge	Plans returned to applicant. Owner bankrupt. Drop from files
81-786	American Hunter New Fork #2	Project was cancelled. Drop from files.
<u>84-029</u>	Thomson Reserve	Plans cancelled 5/16/86 as per letter from applicant.
86-016	Long Tree Timber	Plans returned to applicant. Drop from files.
86-203	Beverly Subdiv.	Plans returned to applicant. Drop from files.

REVIEW OF PLANS AND SPECIFICATIONS

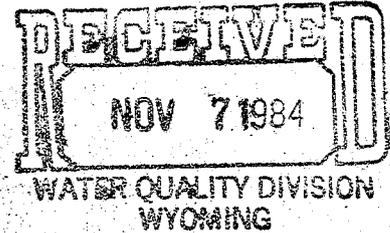
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Thompson Reserve Pond No. 1 (Existing)

ENGINEER: Robert Harrower  
Rio Verde Engineering  
P. O. Box 67  
Pinedale, WY 82941

OWNER: Richard Thompson  
Cora, WY 82925



WATER QUALITY DIVISION REFERENCE NUMBER: #84-29R

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: November 1, 1984

ACTION: Not authorized.

COMMENTS: The existing pond was constructed without a "Permit to Construct." This review addresses the application and plans to modify the existing pond and bring it into compliance with Wyoming Standards. The following items need to be addressed or resolved:

1. Detailed, comprehensive specifications signed by a Wyoming Professional Engineer are needed for the construction of this facility (i.e. clearing, grubbing, excavation, fill, materials compaction, testing frequency, certification, etc.). Refer to Water Quality Rules and Regulations Chapter XI Section 30 for standards.
2. The construction specifications need to include provisions for determining the effectiveness of the liner after construction (Chapter XI Section 30 [f]).
3. The construction specifications need to include the following provisions: Written certification that the soil liner was constructed in accordance with the specifications shall be provided by a Wyoming Professional Engineer or an independent soil laboratory and submitted to this office prior to operation of the facility.
4. Address whether the material tested for permeability is representative of the material which will be used for the liner. Address whether sufficient-suitable onsite material is available to construct the liner.
5. Address provisions for controlling erosion on interior dike slopes. Slopes less than 3H:1V are not recommended unless adequate erosion control is provided.
6. Address whether adequate liner compaction can be obtained on cut slopes of 2H:1V.

Review of Plans and Specifications

Thompson Reserve Pond No. 1 (Existing) #84-29R

November 1, 1984

Page Two

7. It is recommended that flagging be installed to discourage water fowl and birds.
8. The vicinity map accompanying the original submittal indicates that a water well is located approximately  $\frac{1}{4}$  mile southeast of the proposed disposal site (NE/NW Sec. 29). Provide information about the status of this water well.
9. Provide a topographic map which shows the location of the proposed pits in relation to the existing pits.
10. Address the operation of the proposed disposal pond.
  - (a) This application proposes to allow the disposal of wastewater (reserve pit fluids and produced water) from oil and gas drilling operations. The disposal of hazardous or undesirable wastes must be prevented.
  - (b) Oil on the pond water surface will reduce the rate of evaporation. The oil will need to be periodically removed or skimmed.
  - (c) A log must be kept indicating the date, quantity, type and source of each load dumped at this facility.
11. A leak detection system (i.e. monitoring wells) will be required for this pond. Plans and details are needed. Also address a program for monitoring the leak detection system.
12. Address clean up and reclamation of stock pond located east of this existing reserve pond.

Submit the required information and revisions to this office, in triplicate. If you have any questions, please feel free to contact me.

JB:dcn



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 17, 1984

Dick Thompson  
Cora, Wyoming 82925

RE: Thompson Waste Drilling Fluids  
Disposal Pit (84-29)

Dear Mr. Thompson:

As you requested, I have put together a list of synthetic liner manufacturer/suppliers.

1. National Seal Company  
600 North First Bank Drive  
Palatine, Illinois 60067  
800-323-3820
2. Gundle Lining Systems, Inc.  
1340 East Richey Road  
Houston, Texas 77073  
713-443-8564
3. International Minerals and Chemical Corporation  
Industry Group D-M  
421 Hawley Street  
Mundelien, Illinois 60060  
800-323-0854 or 312-566-2600
4. DuPont Company  
Room X39603  
Wilmington, Delaware 19898  
800-441-7111 Ext. 56
5. Schlegel Lining Technology, Inc.  
P. O. Box 7730  
The Woodlands, Texas 77380  
409-273-3066

Dick Thompson  
July 17, 1984  
Page Two

6. Water Saver Company  
P. O. Box 16465  
Denver, CO 80216  
303-289-1818

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

Sincerely,



Jack Bedessem  
Area III Supervisor

JB:dcn

cc: Cheyenne DEQ/WQD ✓  
File (5)

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Thomson Reserve Pit

ENGINEER: Robert A. Harrower  
Rio Verde Engineering  
P. O. Box 67  
Pinedale, WY 82941

OWNER: Richard Thomson  
Cora, WY 82925

WATER QUALITY DIVISION REFERENCE NUMBER: 84-29

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 10, 1984

ACTION: Not Authorized.

COMMENTS: The plans and design information have been reviewed. As per our telephone conversation February 6, 1984, the following items need to be addressed before the facility can be accepted by this department.

1. An analysis of a typical waste drilling fluid is needed. May possibly be obtained from a cooperating oil company.
2. Information is needed as to all water wells located within a one mile radius of the facility. The static water level in these wells should be indicated.
3. Information is needed as to depth of the first groundwater encountered if different from comment 2.
4. Information is needed as to the thickness, permeability and compaction of soils making up the bottom and side slopes. The pond liner must be constructed of 3 feet thick material having a permeability no greater than  $4 \times 10^{-7}$  cm/sec. The liner should be tested in at least three locations.
5. A soil profile is needed to a depth of approximately 10 feet below the bottom of the facility.
6. Note that grading around the facility should be done such that surface runoff is diverted away.
7. Evaporation and precipitation rates should be incorporated to determine the annual acceptance of the facility.

ABC

Review of Plans and Specifications  
Thomson Reserve Pit, 84-29  
February 10, 1984  
Page Two

8. A splash pad or rip-rap needs to be detailed for fluid disposal.
9. The unauthorized pit to the west of this facility needs to be authorized or abandoned and reclaimed. Address the intent and a time frame for this pit.

Submit the required information to this office for review as soon as possible.  
If you have any questions please feel free to contact me.



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 17, 1984

Mr. Bradley J. Nelson, P.E.  
City of Riverton  
Box 1700  
Riverton, WY 82501

RE: City of Riverton Standard Specifications  
For Water and Sewer Line Construction  
DEQ Ref. No. 84-30R

Dear Mr. Nelson:

We have completed our review of the City of Riverton Standard Specifications and find that they meet minimum State standards for water and sewer line construction. Any further additions or deletions to these construction standard specifications will require review by this Division to ensure continued compliance with State standards.

Future applications for sewer and water line extensions for the City of Riverton need only refer to the above specifications on the plan sheet. Any materials or procedures not addressed by the standard specifications will have to be addressed in Special Provisions submitted with the plans.

Yours truly,

A handwritten signature in cursive script that reads "Jeff Hermansky".

Jeff Hermansky  
Water Quality Evaluator  
Northwest District

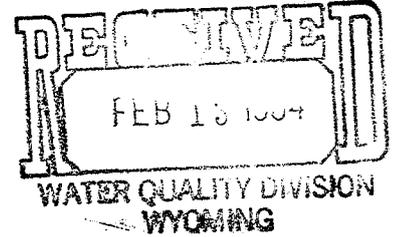
JH:dcn

Enclosure

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: City of Riverton Standard Specifications

ENGINEER: Bradley J. Nelson  
P. O. Box 1700  
Riverton, WY 82501

OWNER: City of Riverton  
P. O. Box 1700  
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: #84-30

REVIEWING EVALUATOR: Jeff Hermansky

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

DATE OF REVIEW: February 9, 1984

ACTION: Not authorized.

COMMENTS: The following questions and comments need to be addressed before the proposed Standards can be authorized for use:

1. Page 12, Hydrostatic Test--What do you mean when you specify: "1. After the new main is bacteriologically accepted,"? Do you propose chlorination of the new mains before you conduct the hydrostatic test?
2. The sections that apply to manholes and laying of pipe (pages 15 through 18) appear to be somewhat out of order.
3. Deflection testing of flexible sewer pipe must meet the following standards:
  - a) Deflection tests shall be performed on all flexible pipe. The test shall be conducted after the final backfill has been in place at least 30 days.
  - b) No pipe shall exceed a deflection of 5%.

Therefore, the engineer does not have the discretion to select where and when deflection tests may be run.

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

JH:dcn

Handwritten initials "AC" in the bottom right corner of the page.



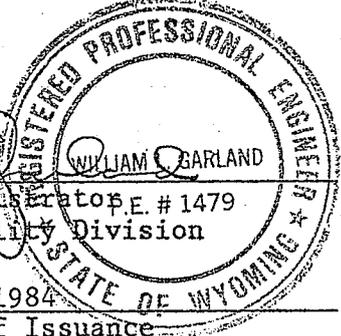
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

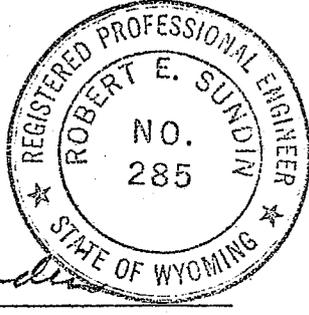
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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 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 GARLAND" and "P.E. # 1479".  
*William Garland*  
Admin. # P.E. # 1479  
Water Quality Division  
April 27, 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 "ROBERT E. SUNDIN" and "NO. 285".  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

JB:mpm

cc: James V. Olson  
Echhoff, Watson & Preator Eng.  
1798 South West Temple  
Salt Lake City, UT 84115

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: Emergency Evaporation Pond at Amoco Whitney Canyon Gas Processing Plant

ENGINEER: James V. Olson  
Eckhoff, Watson and Preator Engineering  
1798 South West Temple  
Salt Lake City, UT 84115

OWNER: Amoco Production Co.  
P. O. Box 829  
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 84-31

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 23, 1984

ACTION: Not Authorized.

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

1. Three copies of plans and specifications need to be submitted. Only two copies were provided with the application. Please provide an additional set of plans and specifications.
2. The specifications should include stipulations for the permeability and thickness of the impervious pond liner. Provisions for testing the liner after installation should also be included. If the testing indicates the liner to be less effective than stipulated in the specifications, the liner should be modified and retested until it meets or exceeds the specifications.
3. Information is needed as to the water quality (TDS, sulfides, chlorides, pH, etc.) of all wastewaters that are possibly going to be disposed in this pond (plant wastewater, raw water treating, boiler blow down water, drainage runoff water, etc.)
4. Information is needed as to the depth to the shallow-most groundwater, groundwater gradient direction, and status of water wells in the area.
5. The existing sulfur block runoff evaporation pond was designed using 10-year 24-hour storm event and a 25 year project life. Information is needed as to the design criteria for sizing this emergency pond.

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

JB:mpm

cc: Kate Laudon

*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.

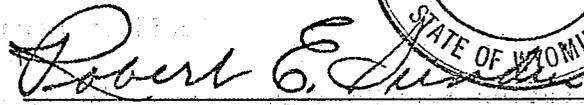
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

July 10, 1984

Date of Issuance

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

"CONDITIONS OF PERMIT"

1. To minimize the threat of contaminating waters of the state, groundwater monitoring wells need to be installed. Consistent background water quality data needs to be obtained prior to construction. Results of the water quality analyses should be sent to A. J. Mancini, DEQ/Water Quality Division, Herschler Building, 122 West 25th St., Cheyenne, Wyoming 82002.
2. "As Built" plans, profile, and detail drawings of the monitoring wells need to be submitted to Jack Bedessem, DEQ/Water Quality Division, 210 Lincoln St., Lander, WY 82520 and A. J. Mancini, address above.
3. A groundwater monitoring program will be required for this facility. Submit a groundwater monitoring program to A. J. Mancini, address above, for review and evaluation by August 31, 1984.
4. Interior embankments need to be protected from erosion. To minimize erosion potential and the need for rip-rap, the permit application specified 4 to 1 interior slopes. After operations begin, if it is determined that additional erosion control is needed, this department may require that rip-rap be installed.

JB:dcn

84-32A

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 4, 1984

Robert A. Overfield  
Engineering Associates.  
PO Box 1900  
Cody, Wyoming 82414

Re: Federal Sewage Works Grant  
C560228-94  
Marbleton, Wyoming

Dear Mr. Overfield:

Enclosed are biddability/constructibility comments from the Corps of Engineers. In addition the following comments by our department should be addressed in the final plan submittal.

- 1) An application for Permit to Construct should be submitted to Jack Bedessem in the Department of Environmental Quality, Green River Office (form enclosed).
- 2) Seeding of the exterior dikes and rip rap at the interior dikes for erosion control may be deleted from the project. It is felt that the native soils and the lagoon design may provide adequate erosion protection. The Permit to Construct will be conditioned such that erosion control methods must be implemented as needed.
- 3) Chapter II, Section 2, (c) (1) (E) . . . Pipe size shall not be decreased in the direct of flow. Sheets 8 and 10 of 18 indicate 8 inch and 10 inch lines running into the existing MH at sta 0+45 to 2+00. Even though the slope on the 8 inch line is sufficient to handle flows in excess of the design, it is felt that it would be more reasonable to use at least a 10 inch pipe. The Town of Marbleton has had problems with vandals tossing things down these manholes, in the past.
- 4) We have some concern about the possible seasonal variation of the groundwater elevation and quality at the lagoon site. The groundwater may have been at its lowest seasonal level when exploratory holes were drilled in November, 1982.
- 5) Monitoring wells will be required. The locations of monitoring wells, and a detail drawing of typical monitoring well construction

Robert A. Overfield  
Page Two  
May 4, 1984

should be included in the plans. A proposed groundwater monitoring program should be submitted.

We will be contacting you the week of May 7 for specific requirements regarding comments 4 and 5.

- 6) Page A B-2 and I B-3 of the Specifications lists a goal for MBE (1-2% of the dollar value of the project). This should be removed. There are no longer any specific goals for MBE utilization. The responsibility for MBE compliance for the bidder is outlined on page SGC-55 of the specifications.
- 7) The wage determination transmitted to you at our April 12 meeting should be inserted in the specifications.
- 8) The State Engineers Office should be consulted regarding requirements for a reservoir permit.
- 9) The cost savings measures discussed at our April 12 meeting should be incorporated into the lagoon design if the city is agreeable and your firm feels there will be no significant adverse impact to the project.
- 10) For the final submittal, 3 complete sets of plans and specifications should be submitted to the Department of Environmental Quality, Green River Office and three complete sets should be submitted to this office.

If you have any questions or comments on any of the above, please call.

Sincerely,

*Tom Conrardy*  
Tom Conrardy  
Engineering Evaluator

TC/kb

cc: Town of Marbleton  
Green River  
Grant File  
Jim Murphy



*Department of Environmental Quality*  
*Water Quality Division*

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

M E M O R A N D U M

TO: Tom Conrardy  
FROM: Jack Bedessem *JB*  
DATE: April 17, 1984  
SUBJECT: Marbleton Sewage Treatment Facility (DEQ/WQD No. 84-32R)  
Federal Sewage Works Grant C560228-94

I have reviewed the revised set of plans and specifications for the above referenced project. The following comments summarize my concerns and the areas which still need to be addressed.

1. The 23 exploratory holes were drilled in November, 1982, which is generally the season for low groundwater elevations and typically no irrigation activity. Groundwater was encountered in 9 of the 23 test holes. It would be helpful to know the static water elevations in these test holes this spring during the potentially high groundwater season. This information should be compared to the proposed pond bottom elevations.
2. This office does not have a completed Application for a "Permit to Construct". If CMAG does not have a completed application form, one needs to be submitted.
3. If rip-rap or erosion control protection is not specified for, it may be possible to condition the "Permit to Construct" such that erosion control methods must be implemented as needed.
4. Address the proposed downgradient monitoring well locations. The monitoring wells should terminate at the impervious shale layer. Included should be a plan sheet with proposed locations, a detail drawing of typical monitoring well construction, and a proposed groundwater monitoring program. Consult with Tony or Kate on this.
5. Three revised (accurate) sets of plans and specifications need to be submitted to this office prior to issuance of the "Permit to Construct".

Memo to: Tom Conrardy

Marbleton Sewage Treatment Facility (DEQ WOD No. 84-32R)

April 17, 1984

Page Two

6. Chapter 11, Section 9 (c)(i)(E)... Pipe size shall not be decreased in the direction of flow. Sheets 8 and 10 of 18 indicate 8 inch and 10 inch lines running into the existing MH at sta 0+45. An 8 inch line is shown running from sta 0+45 to 2+00. Even though the slope on the 8 inch line is sufficient to handle flows in excess of the design, I feel that it would be more reasonable to use at least a 10 inch pipe. The Town of Marbleton has had problems with vandals tossing things down these manholes, in the past.

If you have any questions, please call me.

JB:mpm

3-5-84



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 2, 1984

Robert A. Overfield  
Engineering Associates  
P.O. Box 1900  
Cody, WY 82414

RE: Federal Sewage Works Grant C560228-94, Marbleton, WY, DEQ/WQD Ref. No. 84-32

Dear Mr. Overfield:

We have the following comments on the preliminary plans and contract documents for the new wastewater treatment lagoon facility for Marbleton, Wyoming:

1. Chapter XI of the Wyoming Water Quality Rules and Regulations contains design standards for facultative lagoons. Section 11(e) specifically deals with lagoon lining. If no groundwater investigation is performed, a 3 foot thick liner with a permeability of  $1 \times 10^{-6}$  cm/sec must be provided. The native soils at the proposed lagoon site may provide a satisfactory seal but there is not sufficient data for us to make this evaluation. Also, even if the existing soils are satisfactory for lining material, it is likely that there will be areas of the proposed lagoon site which are unsuitable. The plans and specs should include a section addressing pond sealing, liner material thickness, permeability, testing, design seepage rate, etc. The plans and specs should also direct the contractor to take appropriate action to provide an adequate seal as part of the contract. This may include stock piling of clays and removal and replacement of soils in unsuitable areas. Possible seasonal variation of the groundwater level should be addressed. The pond bottoms must be located above the high groundwater table. Information is needed as to the quality of groundwater beneath the pond site.
2. In accordance with the NPDES monitoring requirements, effluent flow monitoring must be provided.
3. Flood elevations should be addressed. All treatment process 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.

4. Chapter XI, Wyoming Water Quality Rules and Regulations, requires the following provisions for the liquid level in facultative lagoons:
  - a. Facultative lagoons shall be designed to have water depths of not less than 2 feet nor more than 6 feet.
  - b. Controls should be provided to permit varying level control from 2 to 6 feet.
  - c. Multiple drawoffs in the final cell should be provided.

Any deviations to these requirements should be justified.

5. Provisions should be made for erosion control of the lagoon bottoms at the primary lagoon influent locations. The sloped concrete pads provided in the plans may not be sufficient.
6. Non-corrosive steps should be provided in manholes and flow control structures with steps.
7. The service road would be more useful to the lagoon operator if it were located between the lagoons and the relocated ditch.
8. Many areas of the plans are confusing and/or incomplete. The following specific deficiencies were noted:
  - a. On some plan sheets, the vertical scale lines on the profile view do not correspond with the invert elevations given for the manholes.
  - b. Sheet 15 shows a square reinforced cast-in-place structure for plan structures 6, 7, 8, 9 and 10. Sheet 16 shows round precast concrete structures will be used for plan structures 2 through 7.
  - c. No detail of the flow control equipment and the trash rack for installation in the splitter box structure has been provided.
  - d. It is assumed that the type A gate shown on sheet 16 will be installed in all other flow control structures. It is not clear from these plans how the gate will control the lagoon liquid level. It appears the lagoon level control adjustment will vary only the amount of the vertical gate dimension (see comment 3b). It may be advisable to specify the gate dimensions which will be required for each structure.
  - e. Many of the rebar sizes for cast-in-place structures have not been provided. Also the dimension between interior and exterior reinforcing and minimum concrete cover has not been specified.

Robert A. Overfield

March 2, 1984

Page 3

- f. It is not clear what reference is used to determine the inlet and outlet locations in degrees for the table of structures on sheet 16. If North is 0 degrees, it appears that some of the locations in the table are incorrect. Also, it should be specified that the concrete wall in the flow control structure should be perpendicular to the inlet and outlet lines whenever possible.
  - g. It should be specified that the staff gage is to be fastened in the flow control structures on the upstream side of the concrete wall.
  - h. It is not clear from the staff gage table if the bottom elevations listed refer to the bottom of the structure or the bottom of the staff gage. The elevation of the control structure bottoms are not given elsewhere.
  - i. No staff gage dimensions have been specified for flow control structure number 7.
  - j. In the table of structures (sheet 15), it is not clear which figures are elevations and which are dimensions from the structure bottom.
  - k. Why has a trash rack been specified for both structures 1 and 2 in the plans?
9. Why is 8 inch sewer being installed between station (0+45) and (2+00) and 15 inch sewer installed thereafter?
  10. Profile views have not been provided for the lagoon discharge lines.
  11. From the staff gage table and the table of structures on sheet 16 of the plans, it appears that the bottom elevation of structure 2 will be 2 feet above the pond number 1 bottom elevation.
  12. The enclosed EPA general conditions should be substituted for those in the specifications. It should be noted that these new conditions contain no specific goals for MBE or WBE utilization. The goals to be inserted for minority work force are: Minority 5.1%; Female 6.9%.
  13. Will the specifications contain an itemized bid schedule or lump sum?
  14. The drain lines for ponds 1 and 2 are located at elevation 6806. The pond bottom elevation is to be 6805. Address the reason for not completely draining the ponds. With this piping scheme it will not be possible to drain ponds 1 or 2 unless ponds 1 through 4 are all taken out of service.
  15. No provisions have been made for erosion control (rip rap). This should be justified.
  16. The necessity for influent discharge aprons in ponds 3 through 6 should be addressed and detailed. Is the inlet manifold to discharge horizontally or vertically?

Robert A. Overfield

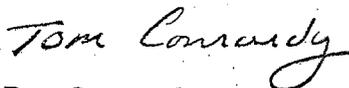
March 2, 1984

Page 4

I have been in contact with the Corps of Engineers in Omaha concerning their review on biddability and constuctability. The Corps has indicated that they wish to postpone review of the plans and specs until a more complete set is submitted. We suggest another preliminary set, not for approval, be submitted after the comments of this letter have been addressed.

If you have any questions or comments, please contact me.

Sincerely,



Tom Conrardy  
Engineering Evaluator

TC/nc

cc: Town of Marbleton  
Jack Bedessem, DEQ/WQD, Green River

84-33



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

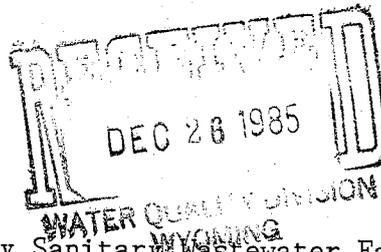
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 23, 1985

Exxon Company, USA  
ATTN: T.J. Tibbitts  
P.O. Box 1600  
Midland, TX 79702



RE: Statewide Permits for Temporary Sanitary Wastewater Facilities

Dear Mr. Tibbitts:

In an effort to clarify the permitting of Exxon temporary sanitary wastewater facilities in the State of Wyoming, I felt it necessary to draft this letter. Exxon's permit for temporary sanitary facilities at drilling sites no. 83-330R expired September 14, 1985. Exxon's permit no. 84-33 for temporary wastewater disposal facilities has been replaced by permit no. 85-514R at your request. Therefore, the only active permit for temporary construction of wastewater disposal facilities in Wyoming is no. 85-514R. Please be advised that this permit is active only until October 29, 1987 and may be renewed before that date.

Sincerely,

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

copy: Norma Coulson, DEQ/WQD, Cheyenne

**EXXON** COMPANY, U.S.A.

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

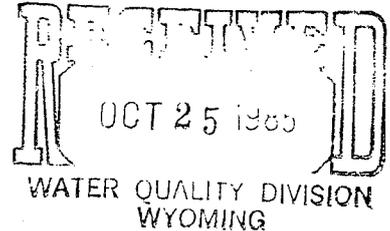
October 14, 1985

PRODUCTION DEPARTMENT  
SOUTHWEST/ROCKY MOUNTAIN DIVISION

THOMAS J. TIBBITTS  
REGULATORY AFFAIRS MANAGER

LaBarge Project  
Temporary Office/Storage Facilities  
Section 25, T28N, R114W

Mrs. Janet Montgomery  
Sublette County Planning & Zoning Commission  
County Courthouse  
Pinedale, Wyoming 82941



Dear Mrs. Montgomery:

Attached for your review are six (6) copies of a Zoning and Development Permit application for the construction of temporary office and storage facilities in Section 25, T28N, R114W. The various trailers and buildings are located adjacent to Temporary Contractor Office Complex #1, previously constructed under Zoning Permit Number 57-85, dated May 16, 1985. All of the structures are for use by Exxon's contractor, Project Construction Corporation, and are associated with work activities at our LaBarge Dehydration Facility and related wellfield production facilities.

A drawing showing the layout of the trailers and buildings is attached as part of the application, along with an index which identifies which structures require waste water disposal facilities. The estimated life of these trailers/buildings is approximately one year, after which the structures will be removed and/or dismantled. For those enclosures requiring sanitary facilities, holding tanks will be installed per the requirements of Statewide Permit No. 84-33.

I trust that the information provided herein is sufficient in detail to allow you to approve the attached permit application. If you have any questions, please call Roland Moreau at (915) 686-4108.

TJT:mdc  
Attachment  
C: Mr. J. Beddessem - DEQ (Lander)

ZONING AND DEVELOPMENT PERMIT APPLICATION

FILING FEE: \$25.00

Make check payable to: SUBLETTE COUNTY ZONING ADMINISTRATOR.

OFFICE USE

Well Completion Form Filed: \_\_\_\_\_  
Wastewater Plan Approved: \_\_\_\_\_  
Z & D Permit No.: \_\_\_\_\_  
Water Development Inspect.: \_\_\_\_\_  
Wastewater System Inspect.: \_\_\_\_\_

Date: 10-7-85

Name: Exxon Company, USA

Agent's Name: Thomas J. Tibbitts

Address: P. O. Box 1600  
Midland, Texas

Agent's Address: P. O. Box 1600  
Midland, Texas 79702

Telephone: (915) 686-4114  
(Area Code)

Telephone: (915) 686-4114  
(Area Code)

COMPLETE THE FOLLOWING

Name of titleholder of the property: J. F. Ranch, Inc.

Legal description for property: Lot 2, Black Canyon Subdivision (SW/NW Sec. 25, T28N, R114W)

Zoning classification: I-H Acreage: Approx. 10 acres

Proposed development of property: Type of structure Temporary office/storage trailers & build-  
in  
Building dimensions or sq. ft. See attached drawing No. of floors or height 1 floor  
Other description Ref. attached dwg. #FSK-06 and index for description of structures.

Water development plans (check one):  Drill well  Develop spring  
 Other (explain) Potable water to be hauled to site.

State Well Permit No. \_\_\_\_\_ (A copy of the well completion form is to be filed in the Planning and Zoning Office upon completion of the well.)

Wastewater disposal plans: Holding tanks pumped out weekly

Small Wastewater Permit No. Statewide Permit #84-33  
(The small wastewater system must be inspected before backfilling by a county official.)

State how legal access is gained to the property: Right-of-way

Are there covenants or deed restrictions pertaining to this property? No If so, please attach a copy. If a building permit is required by the homeowners' association, please attach a copy of same.

Complete the attached site plan.

Witness Linda S. Jones  
LINDA S. JONES  
*My commission expires 9 Nov 1985*

Signed   
(Owner or agent)  
T. J. Tibbitts  
Manager, Regulatory Affairs

File - Exxon  
Hold tanks.

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

**RECEIVED**  
SEP 27 1985  
WATER QUALITY DIVISION  
WYOMING

LABARGE GAS PLANT  
MIDCONTINENT DIVISION

September 20, 1985

Ms. Janet Montgomery  
Sublette County  
Planning & Zoning Commission  
P.O. Box 506  
Pinedale, WY 82941

Dear Janet:

Exxon intends to install temporary office trailers on the following construction sites:

Lake Ridge Unit 09 Manifold Site SW 1/4, NE 1/4 of Section 9, T28N, R115W, 3 - 60 foot x 12 foot trailers with holding tanks. Four people per trailer at 30 gallons/person per day for 7 days or 840 gallons. (Using 1,000 gallon tank for each trailer).

Fogarty Creek Unit 36 Manifold Site SE 1/4, SE 1/4, of Section 36, T28N, R115W, 2 - 60 foot x 12 foot trailers (same as above).

Both of the construction office facility locations will be in operation for less than one year and will be constructed immediately. If there are any questions please contact Phil Brininstool at (307) 276-3461.

  
Michael B. Kunzig

MBK:rk

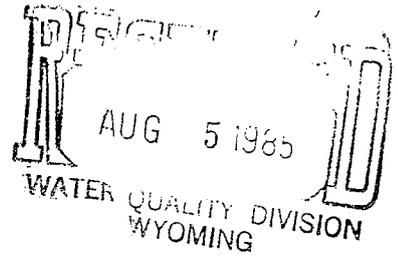
Attachments

c w/o attachments: Jack Bedessem

File: A.1.3.9.2

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

LABARGE GAS PLANT  
MIDCONTINENT DIVISION



August 1, 1985

Mr. Jack Bedessem  
Department of Environmental Quality  
210 Lincoln Street  
Lander, WY 82520

Dear Mr. Bedessem:

This letter is to inform you of Exxon Company, U.S.A. intentions to install the following closed septic systems under Exxon's Statewide Permit for Temporary Wastewater Facilities (Permit No. 84-33):

PCC/EXXON TEMPORARY SAFETY TRAILER  
SW $\frac{1}{2}$ NW $\frac{1}{4}$ , Section 25, T28N, R114W

PCC/EXXON TEMPORARY EQUIPMENT MAINTENANCE OFFICE  
SW $\frac{1}{2}$ NW $\frac{1}{4}$ , Section 25, T28N, R114W

PCC/EXXON MANIFOLD FC-3 - TEMPORARY CONSTRUCTION OFFICE  
SW $\frac{1}{2}$ SE $\frac{1}{4}$ , Section 3, T28N, R114W

PCC/EXXON MANIFOLD FC-15 - TEMPORARY CONSTRUCTION OFFICE  
SE $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 15, T28N, R114W

These are all closed systems to be used for approximately six months and to be constructed immediately. If there are any questions please call Phil J. Brininstool at 307-276-3461 or 915-686-4002.

Michael B. Kunzig

MBK:rk

File: A.1.3.3.4/E.15.6

Exxon Statewide  
Permit File  
84-33

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

LABARGE GAS PLANT  
MIDCONTINENT DIVISION

May 23, 1984

Mr. Jack Bedessem  
WDEQ, Water Quality  
165 East Railroad Avenue  
Green River, WY 82935

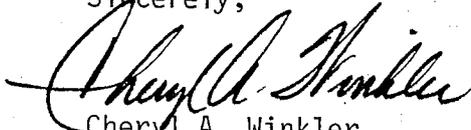
Re: Shute Creek Temporary Sanitary Wastewater Disposal Facility  
(Permit Number 84-33)

Dear Mr. Bedessem:

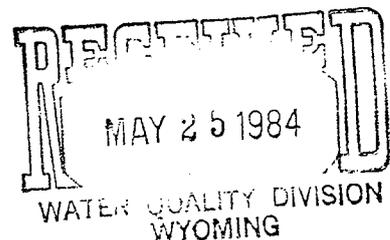
Please be advised that I telephoned your office at 10:45 a.m. to notify you that Exxon Company, U.S.A. will proceed today with construction of the Shute Creek Temporary Sanitary Wastewater Disposal Facility (Permit Number 84-33). Completion of construction activities is anticipated to be September.

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

Sincerely,

  
Cheryl A. Winkler  
Environmental Coordinator

CAW/fn  
xc: Mr. William Garland, Administrator





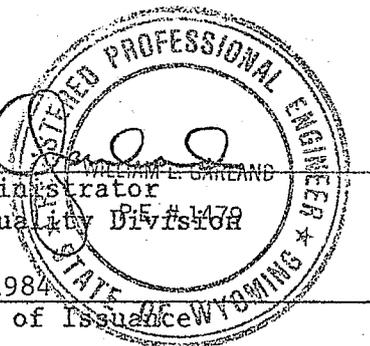
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

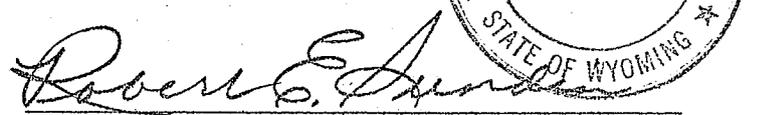
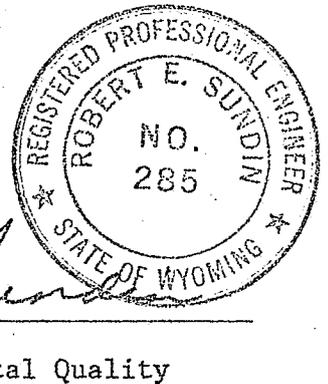
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
PE # 1479  
  
March 7, 1984  
Date of Issuance

  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

\* CONDITIONS OF PERMIT \*

1. This permit is valid for temporary sanitary wastewater disposal facilities only. Temporary being defined as one year or less. If the proposed facility is to be operated for more than one year, the permittee must obtain authorization from this department.
2. The permittee shall notify the appropriate DEQ/WQD office before any system is installed. Upon abandoning the site, the system shall be salvaged and the appropriate DEQ/WQD office notified.

JB:mpm  
3/7/84

2-27-84

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*

*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 27, 1984

Mr. Paul Sahler  
P.O. Box 3023  
Cheyenne, WY 82003

RE: Permit to Construct 84-34

Dear Mr. Sahler:

Enclosed is the permit to construct #84-34 for the wastewater facility for your two mobile homes. The local planning office has requested that you contact the county engineer's office concerning possible problems with zoning and platting before you initiate construction.

Sincerely,

Thomas S. Norman  
Water Quality Engineer

TSN/nc

cc: Jon Arason  
2101 O'Neil Ave.  
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-34  
 SEE CONDITION ON BACK  
 MA 14068

Sahler Residences  
 (Name of Facility)

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

Paul Sahler

P.O. Box 3023

Cheyenne, WY 82003

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system facility according to the procedures and conditions of the application No. 84-34. The facility is located in Tract 47, Dell Range 5th Subdivision, Section 22, 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.

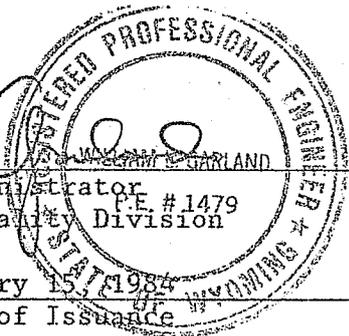
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

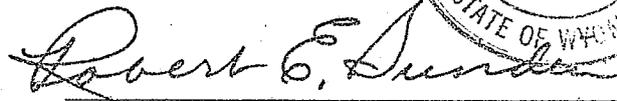
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

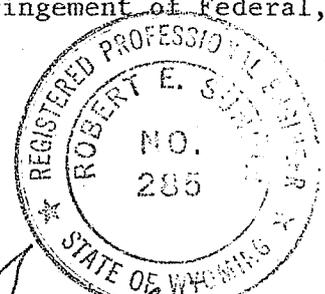
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division  
P.E. #1479  
February 15, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

Condition to Permit to Construct

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

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



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.

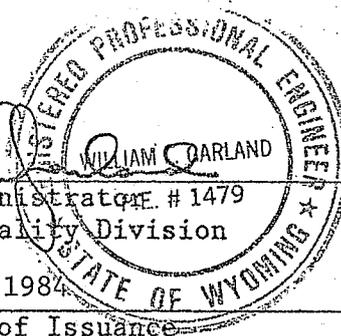
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

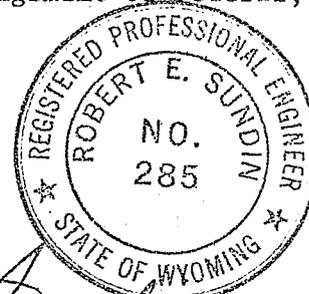
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM DARLAND  
Administrator # 1479  
Water Quality Division  
March 13, 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  
3/13/84

cc: Dale E. Peterson  
Box 249  
Mountain View, WY 82939

MA 14068

THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

March 13, 1984

Afton Generating Co., L.P.  
P. O. Box 517  
Afton, WY 83110

Attn: Ron Galloway

Subject: Afton Co-Generation Plant Modification To Infiltration Ponds  
(DEQ/WQD No. 84-36) "As Built"

Dear Mr. Galloway:

This letter is in response to the reorientation and deepening of the infiltration ponds serving the Afton Co-generation Plant. After reviewing the plans they appear to meet the minimum design standards defined by the State of Wyoming.

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

Sincerely,

Jack Bedessem  
Area III Supervisor

JB:mpm

cc: ~~Chryenne DEQ/WQD~~  
Ross Turner  
File (5)



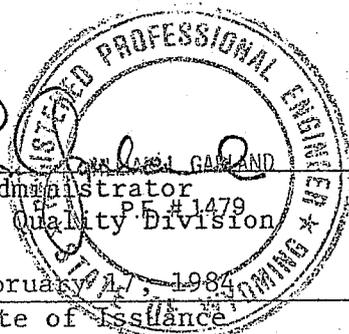
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

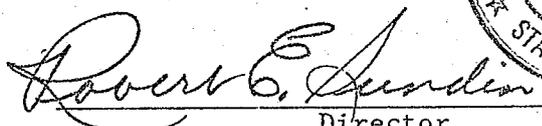
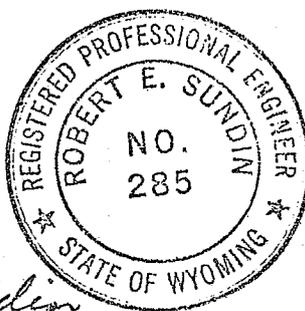
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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  
PE # 1479  
February 1, 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.



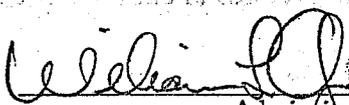
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

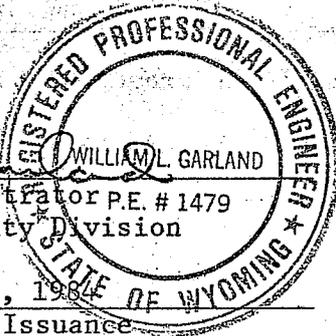
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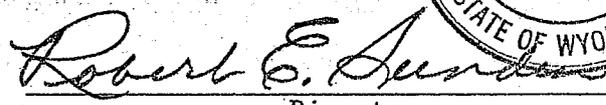
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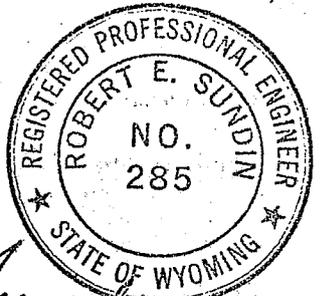
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
March 29, 1987  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

CONDITION

No water mains for serving elevations above 3920 shall be connected to the transmission main approved by this Permit, until a pump station, reservoir and/or other appropriate means of supplying sufficient pressure has been authorized and construction of same has begun.

xc: TSP Two, Inc. (w/plans)  
1058 Kentucky Ave.  
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: Southeast Sheridan Water and Sewer Trunk Lines

ARCHITECT OR ENGINEER: TSP Two, Inc.  
1058 Kentucky Avenue  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NO. 84-38

REVIEWING ENGINEER: Tom Mueller *TJ M*

DATE OF REVIEW: February 16, 1984

ACTION: Not Authorized for Construction

COMMENTS:

1. This agency must receive three copies of the design drawings, signed by the design engineer (P.E.), before a permit can be issued.
2. Since information regarding the reservoir and pump station are not included on this submittal, the permit to construct, when issued, will have a condition prohibiting any service connections at elevations above 3920, until such improvements are completed.

Representatives of TSP Two have previously presented WQD personnel with information regarding possible future improvements and various pressure zone alternatives in the entire south Sheridan area, and that information was very useful in reviewing these plans. It is suggested that a thorough report accompany the application for the reservoir and pump station, in order that any areas of very high or very low pressure be properly documented, with appropriate justification.

3. Details and specifications for the Air Relief installations must be provided.
4. Detail E does not coincide with Sheet W-2; in particular, the detail shows 2 - 16" mains running north from the trunk line, and the fire hydrant locations differ substantially.
5. Why is the 12" sewer between manholes 1 and 3 being replaced by 8" sewer?
6. Complete specifications and design basis for the sewage lift station, pumps, and force main must be provided. All wiring within the lift station wetwell must meet the National Electric Code requirements for Class 1, Group D, Division 1 locations (explosion proof). Check valves within wetwells are not allowable.

xc: Doyl Miller, City of Sheridan

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-39R  
 EPA C560128-94  
 MA 14689

Packerville Improvements and Service District  
 (Name of Facility)

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

Packerville Sewer District

Box 365

Worland, WY 82401

to construct, install, or modify a sanitary sewer system including 400 lineal feet of 12" sanitary sewer, 1590 feet of 8 inch sanitary sewer and 7 manholes facility according to the procedures and conditions of the application No. 84-39R. The facility is located in Sections 18 and 24, T47N, R92W and R93W in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

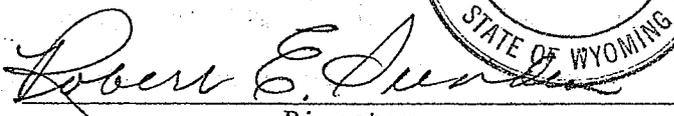
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

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

April 5, 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: Charles E. Bartlett  
J. W. Donnell & Associates  
Box 638  
Worland, WY 82401

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

210 LINCOLN

LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Packerville Improvement and Service District

ENGINEER: Charles E. Bartlett  
John W. Donnell & Associates, Inc.  
P. O. Box 638  
Worland, WY 82401

OWNER: Packerville Improvements & Service District  
P. O. Box 365  
Worland, WY 82401

WATER QUALITY DIVISION REFERENCE NUMBER: #84-39

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: February 15, 1984

ACTION: **Not authorized.**

COMMENTS: Tom,

I have reviewed this project and have the following comments for your consideration:

The engineer has been free in his use of cleanouts in his design. The Ten States Standards says in Section 25.1, "Manholes shall be installed: at the end of each line . . . cleanouts may be used only for special conditions and shall not be substituted for manholes nor installed at the end of laterals greater than 150 feet in length."

If we are liberal in our interpretation of this standard, I guess we can authorize the system as proposed. The system will still be maintainable and it surely will cost less to use cleanouts instead of manholes.

At any rate, I would recommend that we ask the engineer to move MH8-C2 further to the west. This manhole is proposed to be 300 feet from MH8-C--the standards allow 400 feet. If we recommend this adjustment, the distance from MH8-C2 to the cleanout at the end of the line will be shorter and thus be more in keeping with the intent of the Ten States Standards.

JH:dcn

AC

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-40RRRR  
 SEE SPECIAL CONDITIONS  
 MA 14068

Deike Estates, Second Filing  
 (Name of Facility)

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

Roadside Inc.  
2521 Central Avenue  
Cheyenne, WY 82001

to construct, install, or modify a subsurface sewage treatment and disposal facility according to the procedures and conditions of the application No. 84-40RRRR. The facility is located in Section 28, T14N, R65W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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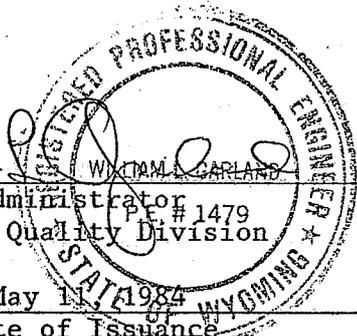
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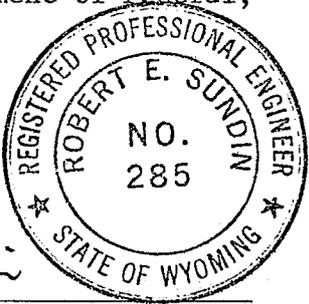
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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AUTHORIZED BY:

  
*William J. Garland*  
Administrator # 1479  
Water Quality Division  
May 1, 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.

Conditions to Permit to Construct

1. Samples shall be collected from the Deike Estates wells and well No. UW 30789 located in the SW1/4 of SW1/4 of Section 22, T14N, R65W which shall be analyzed for nitrate nitrogen concentration. The samples shall be collected and analyzed quarterly.
2. When the nitrate nitrogen concentration increases to 5.0 mg/l, this system shall be replaced with an acceptable treatment and disposal system within one year. A proposal for replacement of this system shall be submitted to this Division within 60 days of the first confirmed sample that indicates a nitrate nitrogen concentration of 5.0 mg/l.
3. The permittee shall notify representatives of the Laramie County Health Unit 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 back-filling. The authorized representative in your area can be contacted at the following address:

Don Pack, Laramie Co. Environmental Health  
1700 Snyder Ave., Cheyenne, WY 82001  
Telephone: 638-8545

cc: James D. Voeller, AVI, 1700 Westland Road, Cheyenne, WY 82001

Review of Plans and Specifications

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

PROJECT: Deike Estates, Second Filing, Laramie Co.

ARCHITECT OR ENGINEER: James D. Voeller, P.E., AVI, P.C.  
1700 Westland Road, Cheyenne, WY 82001

APPLICANT: Roadside, Inc.  
2521 Central Avenue, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 84-40RRR

REVIEWING ENGINEER: *Theodore D. Coyer* and Anthony J. Mancini *agm*

DATE OF REVIEW: April 11, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Before a construction permit can be issued for this project, Roadside, Inc. will need to agree to a groundwater monitoring program to ensure the groundwater standards are not violated.

The monitoring program shall consist of quarterly samples being collected for the analysis of nitrate nitrogen from the two wells in Deike Estates and a well northeast of the proposed subsurface sewage treatment system. The well in the SW1/4 of SW1/4 of Section 22 could be used for this if permission is obtained from the property owners.

Also, Roadside, Inc. will need to agree to replace or otherwise modify this system in the event the nitrate nitrogen level increases to 5.0 mg/l. At that time they will need to submit a proposal to this office which outlines how this will be accomplished. This proposal must be submitted within 60 days of the first confirmed sample that indicates a nitrate nitrogen concentration of 5.0 mg/l.

3-30-84

one copy  
picked up by  
Mr.

ED HERSCHLER  
GOVERNOR



THE STATE OF WYOMING

Department of Environmental Quality 84-40  
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 30, 1984

James D. Voeller, P.E.  
AVI, p.c.  
1700 Westland Road  
Cheyenne, WY 82001

RE: Deike Estates, Second Filing

Dear Mr. Voeller:

This is to confirm our conversation on March 30, 1984 concerning the proposed septic tank soil-absorption system for the Deike Estates development.

As we discussed, we are satisfied with the engineering design of this system except as it may impact the groundwater in the area. However, based on our conversation, we believe a solution to the problem can be worked out. Therefore, we would like to meet with you on Monday, April 2, 1984, at 10:00 a.m. to work out the details.

If you have any questions about this, please feel free to contact us at 777-7781.

Sincerely,

A. J. Mancini  
Groundwater Control Supervisor

Theodore D. Coyer, P.E.  
Engineering Evaluator

AJM/TDC/nc

3-8-89

Review of Plans and Specifications

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

PROJECT: Deike Estates, Laramie Co.

ARCHITECT OR ENGINEER: James D. Voeller, P.E., AVI, P.C.  
1700 Westland Road, Cheyenne, WY 82001

APPLICANT: REDCO Enterprises of WY  
523 West 27th, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 84-40

REVIEWING ENGINEER: Theodore D. Coyer, P.E. and Phil Pucel

*Theodore D. Coyer*

DATE OF REVIEW: March 7, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

A. General Requirements

1. We suggest some inspection pipes be installed in some of the soil absorption system laterals.
2. We suggest that water meters be installed in the potable water supply system and each service to verify the flows for future use.
3. How will surface water be diverted around the soil absorption system.
4. Grease traps (properly sized) must be provide at each food service facility.
5. Will an area for a replacement system be provided? Please show its location.
6. The elevation drop from one trench to the next should be specified.
7. The septic tank accesses should be located over the inlet and outlet pipes.
8. The septic tank inlet and outlet must be baffled.
9. Several openings should be provided in the wall between the tank compartments to reduce short circuiting.

B. Groundwater Considerations

1. A description of the geology and type of soils under this site is needed. The borings should be drilled to a depth of at least 50 feet and drilling logs provided.
2. The percolation rates should be verified.

3. If you encounter groundwater at a shallower depth than 50 feet, the following information should be provided:
  - a. Depth to groundwater
  - b. Background water quality
  - c. Direction of groundwater movement
4. A drawing showing how the on-site wells were completed should be provided. Indicate type of materials used and grouting depths.
5. After this information is received, we will evaluate it to determine if additional information is needed. If you wish to meet with us about this, please contact Ted Coyer.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit 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 a industrial, subsurface, mechanical treatment oil recovery system facility according to the procedures and conditions of the application No. 84-41R. 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 two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

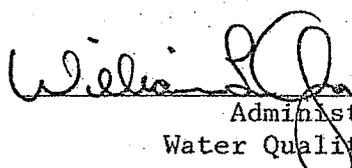
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

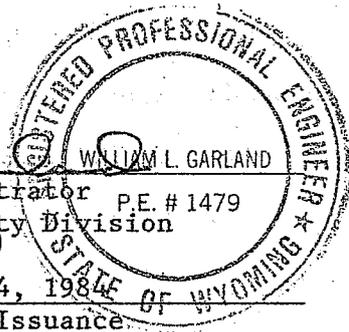
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

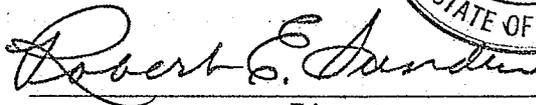
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

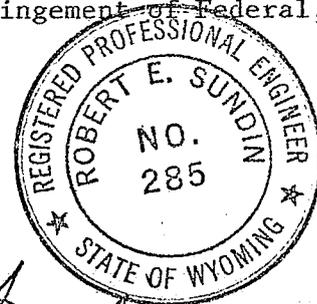
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
March 24, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

cc: Engineering Enterprises, Inc., 1225 West Main, Suite 215, Norman, OK 73069  
A. J. Mancini, DEQ/WQD

Conditions to Permit to Construct Number 84-41R

1. The applicant is authorized to construct and install additional hydrocarbon recovery and monitoring wells associated with the Little America Refinery Hydrocarbon Recovery Project. As built plans and specifications will be provided to the Water Quality Division within 20 days of the final installation.
2. Quarterly monitoring/progress reports must be submitted to the Water Quality Division, beginning in June 1984. These reports shall include groundwater sample analyses results from monitoring wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11. Sample parameters include: static water level, pH, TDS, oil and grease, TOC, chlorides, sulfates, phenol, lead, total chrome, arsenic, barium, and sodium. Results of this monitoring program shall be forwarded to the Water Quality Division within 20 days following the end of the reporting period quarter.
3. The quarterly monitoring/progress reports identified in Condition 2 above shall also provide this office with an estimate of total hydrocarbon recovered by the system. Sample analyses for the same parameters identified in Condition 2 shall be provided in the quarterly reports for the wastewater being pumped to the north ponds and for the commingled wastewater located in the receiving north pond.
4. Depending upon the monitoring data, the applicant may be required to extend the hydrocarbon recovery system and/or monitoring wells beyond the east and/or west limits of this permitted system.



*Norma*

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: A.J. Mancini, Groundwater Supervisor  
FROM: R.J. Lennox, Engineering Evaluator *RJL*  
DATE: March 20, 1984  
SUBJECT: Application 84-41R; Little America Interception Drain System  
for Seepage Control

- 1) I have reviewed the subject application for groundwater concerns and have the following comments:
  - a) It would have been helpful to have the direction of local groundwater flow indicated on the plans. While one can assume the flow is towards the North Platte it may not be a direct line in all cases. Since no information is presented concerning underlying geology it becomes more important to have this information.
  - b) Only information has been presented concerning samples taken at the effluent pond and monitor well number 7. It will be necessary to have samples from all monitor wells; especially well number 11 in order to determine whether or not the interception drain extends far enough to the east.
  - c) A monitoring program should be established in order to determine the effectiveness of the system and the correct pumping rates required to maintain a positive flow toward the drain system.
  - d) I would like to see an additional monitor/observation well installed in the gravel bed north of the existing roadway opposite the area of highest contamination as indicated from samplings of wells number 1 through 11.
- 2) Other than the above comments I see no reason which should delay the start of construction.

cc: LeRoy Feusner



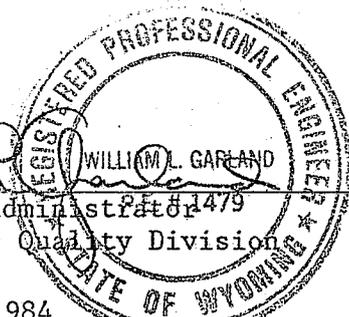
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

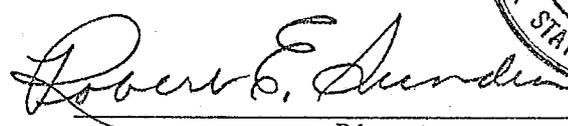
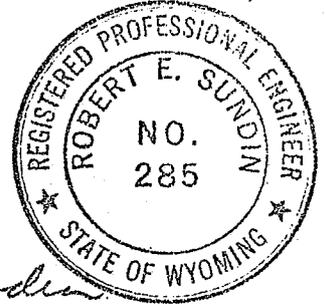
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
STATE OF WYOMING

February 22, 1984  
Date of Issuance

  
  
ROBERT E. SUNDIN  
NO. 285  
STATE OF WYOMING

Director  
Dept. of Environmental Quality

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

JH:dcn

MEMORANDUM

TO: Plans #84-42  
FROM: Jeff Hermansky *Jeff*  
SUBJECT: Phone Review of Road 8 Interceptor Sewer - Powell  
DATE: February 15, 1984

On February 15, 1984, I spoke with Roger Jacobson, the project engineer, and made the following comments:

1. What is the basis of the design--i.e. what are the present and ultimate flows? Please submit the flow calculations.
2. I asked Roger to be more specific as to what is "suitable protection against the entrance of foreign material" on the Typical Highway and Railroad Crossing detail, on sheet 5 of 7.

Roger said he would send the information in a day or so.

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.

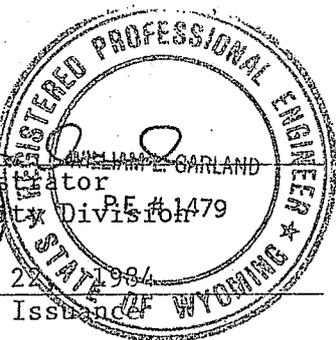
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

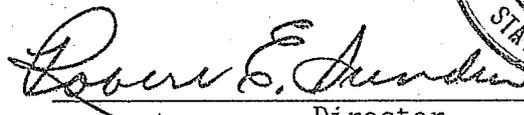
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

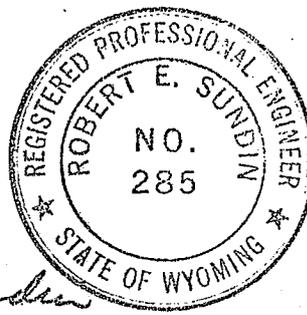
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Administator  
Water Quality Division  
February 22, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

*Norma*



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

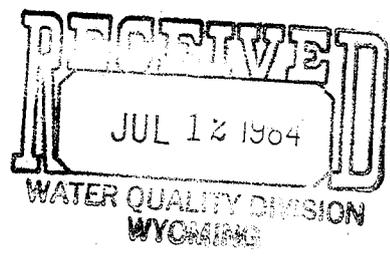
2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

July 10, 1984

Mr. Bill Mentock  
Engineering Inc. of Wyoming  
45 East Loucks  
Sheridan, Wyoming 82801



RE: Champion Mobile Home Park  
WQD Reference No. 84-44

Dear Bill:

As per our telephone conversation today, I understand that the above referenced project was constructed prior to February of 1976. We are, therefore, taking no action on the application for a permit to construct and it is being returned to you.

Yours truly,

*Tom Mueller*  
Tom Mueller  
District Supervisor

TM:ls  
Enclosure  
xc: Norma Coulson, WQD Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Champion Mobile Home Park

ARCHITECT OR ENGINEER: Engineering Inc. of Wyoming  
Attention: Bill Mentock  
45 East Loucks, Suite 301  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-44

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: February 23, 1984

ACTION: See Comments.

COMMENTS:

1. These as-built plans were reviewed only with respect to the septic tank/leach field serving spaces #1 and #2. The water system does not fall under the legal definition of a Public Water Supply, and the other septic systems are under the jurisdiction of the Sheridan County Engineer.
2. The septic system appears to be too small on at least two counts:
  - a) The septic tank for two mobile home lots should be at least 1500 gallons.
  - b) The leach field is not sufficiently large. From the drawing it appears that the leach field contains about 150 square feet of trench bottom area. Under current regulations, the field should be increased by about two-thirds (2/3) in size. Under proposed future regulations, the increase would be even greater. The above estimates assume a percolation rate of 1 min/inch, the minimum allowable.
3. If this system has been built since February of 1976, it must be upgraded as described above. Legal action may result otherwise. Please inform this office of the date of construction.



*Norma*

*Department of Environmental Quality  
Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 25, 1985

*84.45*

Glen R. Larson  
C & S Engineering  
2285 South Main  
Salt Lake City, UT 84115

Dear Mr. Larson:

Your application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

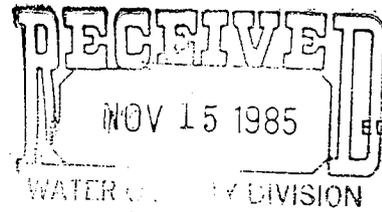
Sincerely,

William L. Garland  
Administrator

*Norwa*



THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

# Department of Environmental Quality

## Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 6, 1985

CERTIFIED P 399 271 383

Glen R. Larson  
C & S Engineering  
2285 South Main  
Salt Lake City, UT 84115

Dear Mr. Larson:

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: Rimrock Subdivision-Plat "A"

DEQ/WQD Reference Number: 84-45

Engineering Consultant: Group 1, P.O. Box 2848,  
Park City, UT 84060

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 3-14-84

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

*Glen R. Larson* X

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,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

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: Rimrock Subdivision - Plat "A"

ENGINEER: Glen R. Larson  
C & S Engineering  
2285 South Main Street  
Salt Lake City, UT 84115

OWNER: Group 1  
P. O. Box 2848  
Park City, UT 84060

WATER QUALITY DIVISION REFERENCE NUMBER: 84-45

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: March 14, 1984

ACTION: Not Authorized.

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

1. Complete specifications are needed. If you plan to use the Wyoming Public Works Standard Specifications, it should be noted on the plans.
2. Proposed and existing waterlines (Pacific Power) need to be shown on the plans. Water and sewer line crossings need to be shown on the profiles. Include pertinent horizontal and vertical separation distances.
3. It is recommended that the concrete pipe be coated with a corrosion resistant compound.
4. Should the City or Pacific Power have any particular problems with the plans, (i.e. relocation of MH2 and MH3) these will have to be addressed and revised on the plans.
5. A letter needs to be provided from the City of Rock Springs, accepting wastewater from this subdivision and their capability for treating the wastewater generated.
6. Since the sewer line you propose to tie into is owned by Gateway, Inc., a letter needs to be provided from them accepting this connection.
7. A cleanout detail is needed in the plans. Note, a cleanout detail is not included in the Wyoming Public Works Standard Specifications.

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

JB:mpm

*ABC*



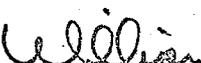
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

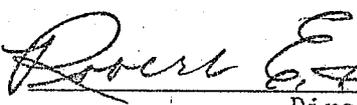
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 #1079  
Water Quality Division  
STATE OF WYOMING

March 8, 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.

EB:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Aeration of R.B.C. Units Sewage Treatment Plant

ENGINEER: Engineering - Science  
10 Lakewood Lane  
Denver, CO 80212

OWNER: Town of Thermopolis  
P. O. Box 603  
Thermopolis, WY 82443

WATER QUALITY DIVISION REFERENCE NUMBER: #84-46

REVIEWING ENGINEER: Ed Baruth, P.E. *Ed*

DATE OF REVIEW: February 17, 1984

ACTION: Not authorized.

COMMENTS: This office commends your plans to aerate the R.B.C. units. We only ask that you provide us with an executed application for permit to construct and 3 sets of the plan sheet signed by your registered engineer.

EB:dcn

*AC*

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-47R  
MA 14089

Muddy Gap Maintenance Facility  
(Name of Facility)

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

WY Highway Department  
5300 Bishop Avenue  
Cheyenne, WY 82001

to construct, install, or modify a state subsurface wastewater treatment and disposal system facility according to the procedures and conditions of the application No. 84-47R. The facility is located in Section 34, T28N, R84W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

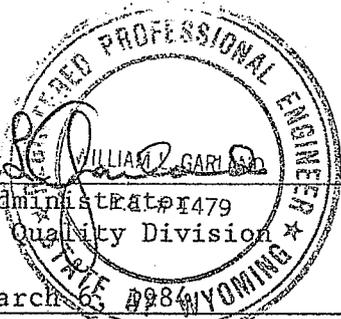
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

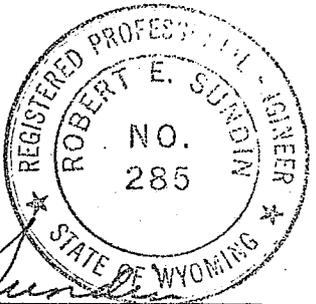
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
*William Garland*  
\_\_\_\_\_  
William Garland  
Administrative 1479  
Water Quality Division  
March 6, 1998  
\_\_\_\_\_  
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: Rick Johnson  
Gust & Johnson  
2232 Del Range, Suite 203  
Cheyenne, WY 82009

6-7

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-48R  
MA 14068

SWANSON MINE

\_\_\_\_\_  
(Name of Facility)

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

George Herne

P. O. Box 1227

Rock Springs, WY 82901

to construct, install, or modify a sedimentation control structures

\_\_\_\_\_  
(sump and energy dissipators)

\_\_\_\_\_ facility according to the procedures and conditions of the

application No. 84-48R. The facility is located in \_\_\_\_\_

Sec. 29, T19N, R104W

\_\_\_\_\_ in the County of SWEETWATER,

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

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

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

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-

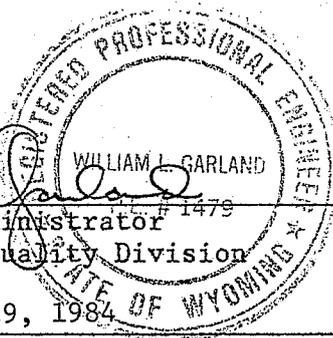
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

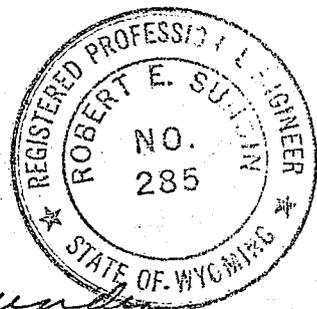
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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 # 1479  
Water Quality Division  
May 29, 1984  
\_\_\_\_\_  
Date of Issuance

  
*Robert E. Sunde*  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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

JB:mpm



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: 84-49R

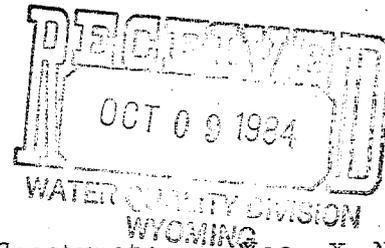
Name of Facility: Exxon-LaBarge Project Gas Plant Sedimentation Pond

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

Facility Description:  New Construction  Modification

Design Engineer: E. R. Andrews  
Stearns Catalytic Corp.  
P. O. Box 5888  
Denver, Colorado

Contractor:



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" #84-49R indicates that the sedimentation pond inlet pipe be terminated with an energy impact basin and rip-rap. No impact basin or rip-rap was observed.

2. "Permit to Construct" #84-49R indicates that the sedimentation pond will be de-watered by a pump station. The pump station was to discharge either to Shute Creek or the evaporation pond. No pump station, discharge pipe or rip-rap was observed.

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

Accompanied by:

Frank Henderson

Signature of Inspector

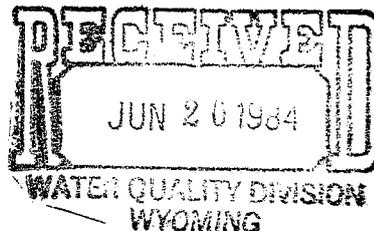
cc: Cheyenne DEQ/WQD  
File (2)

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

*File w/  
Plans  
Copy to Newton*

LABARGE GAS PLANT  
MIDCONTINENT DIVISION

May 23, 1984



Mr. Jack Bedessem  
WDEQ, Water Quality  
165 East Railroad Avenue  
Green River, WY 82935

Re: Shute Creek Plant Site Notification to Construct Sedimentation  
Pond (Permit Number 84-49R)

Dear Mr. Bedessem:

Please be advised that I telephoned your office at 10:45 a.m. to notify you that Exxon Company, U.S.A. will proceed today with construction of the Shute Creek Sedimentation Pond (Permit Number 84-49R). Completion of construction activities is anticipated to be September.

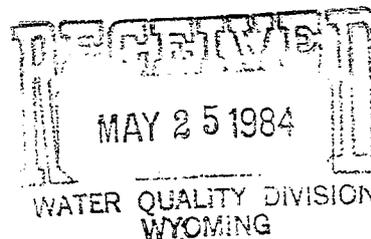
Please call (877-5536) should you have questions.

Sincerely,

A handwritten signature in cursive script that reads "Cheryl A. Winkler".

Cheryl A. Winkler  
Environmental Coordinator

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





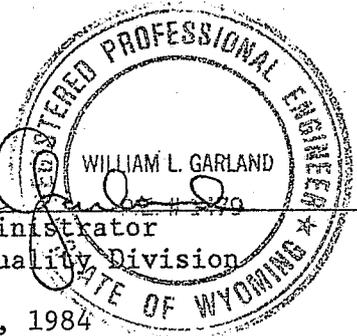
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

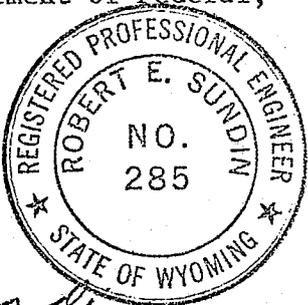
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AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
STATE OF WYOMING  
April 18, 1984  
Date of Issuance

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

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

JB:mpm

cc: E. R. Andrews  
Stearns-Roger Engineering Corp.  
P. O. Box 5888  
4500 Cherry Creek Drive  
Denver, CO 80217



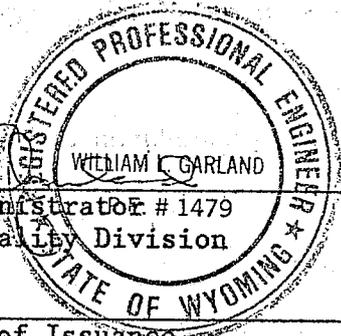
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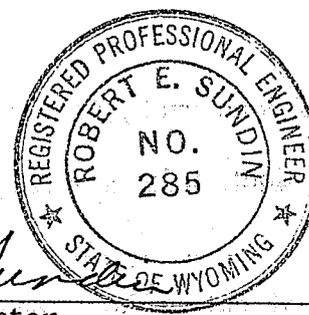
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AUTHORIZED BY:

  
*William L. Garland*  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
STATE OF WYOMING

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

July 19, 1984  
Date of Issuance

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

JB:dcn