



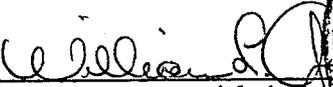
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

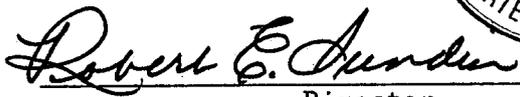
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

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

August 8, 1985  
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.

TETON SHADOWS, INC.  
P.O. BOX 3393  
JACKSON, WY. 83001  
307-733-3209



AUG. 19, 1985

State of Wyoming  
Department of Environmental Quality  
Matt M. Langenfeld  
Water Quality Division  
Cheyenne, Wy. 82002

RE: DEQ Ref. No. 85-402, monitor well at Teton Shadows.

Dear Mr. Langenfeld:

I have just received the enclosed letter from the Grand Teton Lodge Co. I can go no farther in regards to the proposed monitor well for Teton Shadows. I hope you understand that this office can no longer spend money with Nelson Eng. to continue this permit. Please accept this as a request to abandon the application for this well.

Sincerely,

A handwritten signature in cursive script that reads "S M Shepherd".

Scott M. Shepherd  
President

cc. Jake strohman  
Steve Gerber



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 30, 1985

85-402

Scott Sheppard  
Teton Shadows  
Box 3393  
Jackson, WY 83001

Moose Land & Cattle Company  
% Herb McCulla  
American Bank  
123 West First  
Tasper, WY 82602

Dear Mr. Sheppard:

Per our conversation on July 30, 1985, you requested that the Department of Environmental Quality, Water Quality Division send you a letter stating that if the irrigation ditch is moved so that it is 50 feet from the leachfield piezometers will not be required. If the irrigation ditch is moved so that it is 50 feet or further from the leachfield piezometers would not be necessary. Please note that the Department of Environmental Quality, Water Quality Division still requires that Teton Shadows place a monitor well downgradient of the leachfields. If you have any questions feel free to call me at 307-777-7084.

Sincerely,

Matthew M. Langenfeld  
Groundwater Compliance Specialist

MML/ad

cc: Jake Strohmman  
Tony Mancini  
Steve Gerber

7-25



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality  
Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 24, 1985

CERTIFIED

Scott Sheppard  
Teton Shadows  
Box 3393  
Jackson, WY 83001

Moose Land & Cattle Company  
% Herb McCulla  
American Bank  
123 West First  
Casper, WY 82601

RE; Department of Environmental Quality Water Quality Division, Ref. No. 85-402

Dear Mr. Sheppard:

The Department of Environmental Quality Water Quality Division is in receipt of your application for a permit to construct a monitor well at the Teton Shadows subdivision. The following additional information is necessary before the permit to construct can be issued.

1. What will the sealing material consist of and what type of material does Nelson Engineering plan to backfill with?
2. What type of casing do you plan to use? PVC pipe is recommended, although if you are unable to install PVC pipe due to geologic constraints steel casing will be acceptable.
3. What method do you plan to use to install the monitor well and what is the name of the drilling company you plan to hire?
4. Please give the location of the monitor well on a site map in relation to the leachfield and wastewater treatment facility.

Scott Sheppard  
July 24, 1985  
Page 2

Enclosed is a monitor well diagram illustrating a properly completed monitor well. Please note the following items that need to be addressed for proper construction of a monitor well at Teton Shadows:

1. Cement must be placed on the surface so that surface water will drain away from the well and to a depth of at least three feet below the surface.
2. Steel protective casing should be placed in the cement to a depth of two to three feet and a locking steel cover should be placed on top of the casing.
3. A sand or gravel pack compatible with the perforations is recommended. The gravel pack should be completed approximately one to two feet above the top perforation with six inches of sand placed on top to prevent the bentonite seal from plugging up the perforations.
4. The perforations should be placed five feet above the highest expected groundwater level and five feet below the lowest expected groundwater level.
5. A cap should be placed on the bottom casing to prevent solids from entering the inside of the casing.
6. The well should be developed until fines are no longer present in the purged water.

Please provide the Department of Environmental Quality Water Quality Division with the distances between the leachfield and the irrigation ditch in question and progress toward filling in this irrigation ditch or installing a culvert.

The Department of Environmental Quality Water Quality Division requests that the Teton Shadows Subdivision respond to these requests within 15 days of receipt of this letter. If you have any questions feel free to call me at 307-777-7084.

Sincerely,

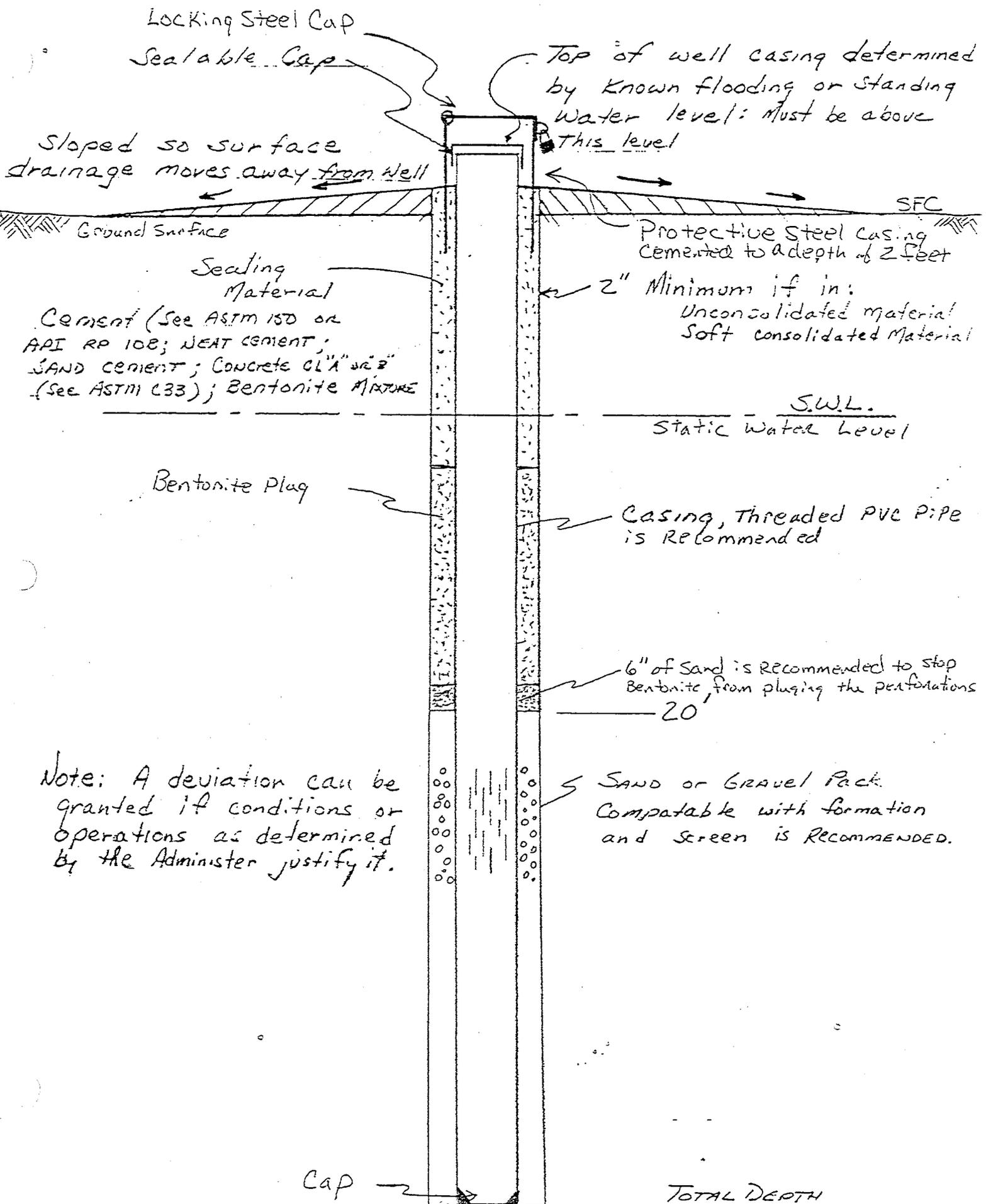


Matthew M. Langenfeld  
Groundwater Compliance Specialist

MML/ad

cc: Jake Strohman  
Tony Mancini  
Steve Gerber  
✓ Norma Coulson

# MONITOR WELL



Note: A deviation can be granted if conditions or operations as determined by the Administer justify it.

8-28

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-403R  
 Ref. No. 85-127  
 84-571  
 84-570

SEE CONDITIONS ATTACHED  
 MA 14542

Sinclair Refinery Hydrocarbon Recovery and Groundwater Monitoring System  
 (Name of Facility)

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

Leon R. Corpuz, Jr.

Manager, Environmental Affairs

Sinclair Oil Company

P.O. Box 277

Sinclair, WY 82337

to construct, install, or modify a hydrocarbon recovery wells/trenches system and groundwater monitoring network facility according to the procedures and conditions of the application No. 85-403R. The facility is located in Sections 21 & 16, T21N, R86W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

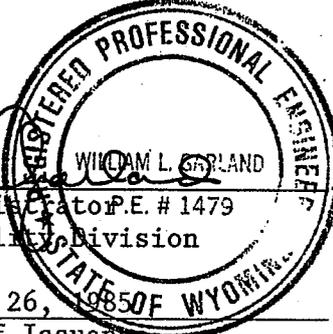
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

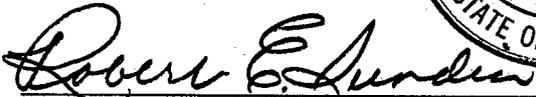
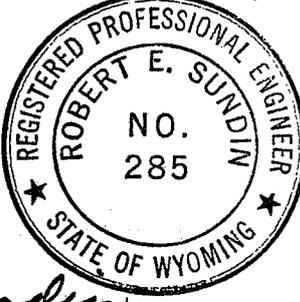
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
  
August 26, 1985  
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: Paul Rechard, Western Water Consultants, P.O. Box 4128, Laramie, WY 82071  
Phil Pucel, DEQ/WQD  
Tom Williams, DEQ/WQD

Conditions to Permit to Construct #85-403R

1. The applicant is authorized to construct and install additional hydrocarbon recovery wells/trenches and groundwater monitoring wells associated with the Sinclair Refinery operation. As built plans/specifications along with an updated site map showing the location of any additional wells/trenches shall be provided to the Groundwater Section, Department of Environmental Quality, Water Quality Division, Herschler Building, Cheyenne, Wyoming 82002, within 20 days of the installation date.
2. Quarterly monitoring/progress reports shall be submitted to the Groundwater Section, Department of Environmental Quality, Water Quality Division, beginning with the third quarter 1985. These reports shall include groundwater quality sample analyses which completely characterize hydrocarbon/groundwater quality. Parameters shall include: static water level, hydrocarbon thickness, pH, TDS, oil and grease, TOC, chlorides, sulfates, phenol, lead, total chromium, vanadium, cadmium, arsenic, barium, zinc, and sodium. Periodic complete organic analyses (GC/MS) will be required by the Water Quality Division on selected wells. Results of these quarterly monitoring samples shall be forwarded within 20 days following the end of each quarterly monitoring period.
3. A water quality trend analysis report of all data, including:
  - a. updated oil thickness maps and iso-concentration maps of any indicator analytical parameters which show significant water quality impact;
  - b. statistical and graphic treatment of water quality data; and
  - c. a written summary of the refinery site cleanup statusshall be submitted annually to the Groundwater Section, Department of Environmental Quality, Water Quality Division, Herschler Building, Cheyenne, Wyoming 82002, beginning in December 1985. This report may be submitted as part of a quarterly report required under Condition 2 above.
4. Depending upon interpretation of the quarterly monitoring data by the Water Quality Division, the applicant may be required to extend the hydrocarbon investigation study and any associated hydrocarbon removal system beyond the existing limits of this authorized system. Additionally, the list of monitoring parameters may be modified to reflect sampling results.

To Kelly 7.29-85

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 85-403

DATE SUBMITTED FOR REVIEW 7-23-85

NAME AND LOCATION OF FACILITY Sinclair Oil Refinery

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

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

SIGNED Phil Pucc

TITLE Eng

DATE 7-25

ACCEPTED FOR RECORD 7/20/85  
(Date)

[Signature]  
Groundwater Control Supervisor

MEMORANDUM

TO: LeRoy Feusner  
FROM: Phil Pucel *Phil*  
DATE: July 25, 1985  
SUBJECT: Sinclair Oil Refinery, Hydrocabon Recovery Trenches, #85-403

The concept is generally acceptable, but details of the system should be submitted for the following items:

1. Pumping system. Does the system utilize 2 pumps, one to create a cone of depression in the water table and one to collect the oil?
2.
  - a. The proposed location of the trench or trenches and the limits of the deposit to be recovered.
  - b. Upon completion, the actual location and depth of the trenches.
3. The monitoring plan which will be used to assess the efficiency of the system and the changes in hydraulic gradients.
4. Plans for the continuation of the site assessment to include all areas which may contain product, such as the area around separators. The continuing assessment is needed to assure that the recovery activities are being applied to all oil deposits.
5. A reporting schedule should be established to document the volume of product and water collected and the type of product collected. This characterization is important in detecting the presence of hazardous wastes.

PP/nc

7-31-85

Review of Plans and Specifications

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

PROJECT: Sinclair Oil Refinery Hydrocarbon Recovery Trenches, Carbon Co.

ARCHITECT OR ENGINEER: Paul Rechar, Western Water Consultants  
P.O. Box 4128, Laramie, WY 82071

APPLICANT: Leon Corpuz, Sinclair Oil Corporation  
P.O. Box 277, Sinclair, WY 82334

WATER QUALITY DIVISION REFERENCE NUMBER: 85-403

REVIEWING ENGINEER: *LeRoy C. Feusner*, P.E. and *Phil Pucel*

DATE OF REVIEW: July 30, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Not enough detail drawings or system operations information has been submitted to facilitate a thorough review by the groundwater section and me. Provide complete description of system operational information and any associated piping, pumping systems, etc. Detail drawings must include the signature or seal of the design engineer, who must be a professional engineer licensed in Wyoming.
2. Does the pumping system utilize two pumps, one to create a core of depression in the water table and one to collect the oil?
3. Show the proposed location of the trench or trenches and the limits of the oil deposit to be recovered.
4. When future trenches are installed, the Water Quality Division will require submission of follow-up actual location and depth of trenches.
5. How will Sinclair Oil Corporation determine the efficiency of the recovery system and any changes in hydraulic gradients? Propose a monitoring plan which will evaluate this comment.
6. Indicate future plans for the continuation of the site assessment to include all areas which may contain product, such as the area around the oil separators. The continuing assessment is needed to assure that the recovery activities are being applied to all oil deposits.
7. A periodic reporting schedule will be established to document the volume of product and water collected and the type of product collected. Provide a proposed reporting schedule and data to be submitted to this office.

LCF/PP/nc

PERMIT TO CONSTRUCT

Permit No. 85-405RR  
MA 14542

- New
- Renewal
- Modified

Daley Street Watermain Replacement  
(Name of Facility)

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

City of Rawlins

P.O. Box 453

Rawlins, WY 82301

to construct, install, or modify a public water distribution facility according to the procedures and conditions of the application No. 85-405RR. The facility is located in Section 16, T21N, R87W in the County of Carbon, in the State of Wyoming.

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

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

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

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

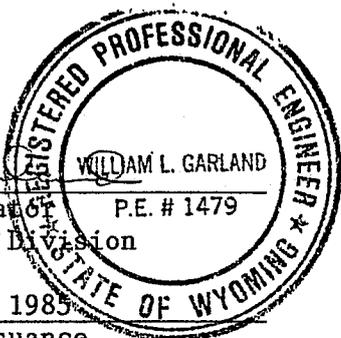
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

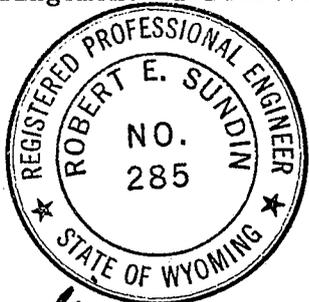
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
*William L. Garland*  
\_\_\_\_\_  
Administrator  
Water Quality Division  
August 15, 1985  
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: Jerry D. Miller  
City of Rawlins  
Box 953  
Rawlins, WY 82301

Review of Plans and Specifications

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

PROJECT: City of Rawlins, Daley Street Waterline Replacement, Carbon Co.

ARCHITECT OR ENGINEER: City Engineer, City of Rawlins  
P.O. Box 953, Rawlins, WY 82301

APPLICANT: City of Rawlins  
P.O. Box 953, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 85-405R

REVIEWING ENGINEER: Christian G. Norman 

DATE OF REVIEW: August 7, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. It is not required to include all valves, tees and crosses, etc. in the waterline profiles. This comment was added to help clarify the plans for the contractor.
2. Use of the Wyoming Public Works standard specifications warrants that decisions be made regarding material use, methods of construction or other specifications as outlined in the guide to using the Wyoming Public Works standard specifications. The specific decisions that must be made and documented in this project are covered in section 301, and specifically, pipe specifications (pressure class), and supplementary information on disinfection.

CN/nc

Review of Plans and Specifications

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

PROJECT: City of Rawlins, Daley Street Waterline Replacement, Carbon Co.

ARCHITECT OR ENGINEER: City Engineer, City of Rawlins  
P.O. Box 953, Rawlins, WY 82301

APPLICANT: City of Rawlins  
P.O. Box 953, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 85-405

REVIEWING ENGINEER: Christian G. Norman *Christian C. Norman*

DATE OF REVIEW: July 25, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application for a Permit to Construct, Install, or Modify must accompany the submittal.
2. The plans and specifications must be signed/sealed by a Wyoming registered engineer.
3. Show more detail of the sewer crossings at the Rodeo Street-Daley Street intersection and Daley Street-Harshman Street intersection.
4. Show all valves, tees, crosses, etc. in the waterline profiles.
5. What are the specifications of the 6 inch PVC waterline?
6. Show the profile detail of the Harshman Street-Daley Street intersection.
7. Sheet 2/4 says that the existing 6 inch CIP waterline is to be abandoned. How will this be accomplished?
8. Sheets 1/4, 2/4, and 3/4 - what will the vertical separation be between the taps and sanitary sewer lines being crossed?
9. Provide specifications on material to be used, installation, testing and construction.



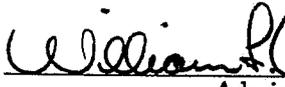
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

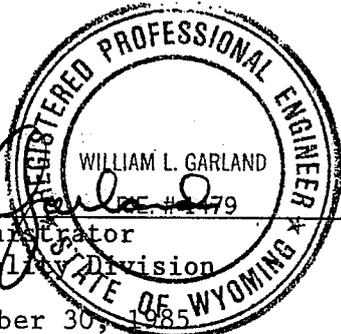
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

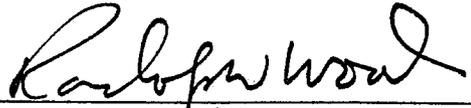
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
STATE OF WYOMING  
September 30, 1985  
Date of Issuance



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

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

xc: McDill Engineering  
400 W. Boxelder Road  
Gillette, WY 82716

RECEIVED  
AUG 9 1985  
DIVISION  
WATER QUALITY  
WYOMING

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: The Meadows - Phase I Water Distribution System, Gillette, Wyoming

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

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-406

REVIEWING ENGINEER: Susan Holmes SA

DATE OF REVIEW: August 7, 1985

ACTION: Not Authorized

COMMENTS:

- 1) I am concerned that the estimated average day demand of 0.91 gpm per lot may not be high enough for a development such as The Meadows. The one acre lots indicate potential for large landscaped areas and gardens that may draw a large irrigation demand. Please address irrigation demands and how they will affect average and peak flows.
- 2) Can the Sleepy Hollow system supply adequate pressure to The Meadows? Normal operating pressure should be around 35 psi, with 20 psi as a minimum under fire flow conditions. 100 psi should be a maximum. Will excessive head losses be encountered in the 6" mains during fire flow or irrigation demands?
- 3) Will any of the future phases of The Meadows connect to the 6" mains of Phase I, or will they be supplied through future proposed water system improvements?
- 4) Does the existing Sleepy Hollow system have adequate storage for the additional 25 lots?
- 5) How will domestic sewage be handled?
- 6) A written statement from the Sleepy Hollow Homeowners' Association is required which states they are willing and able to provide water service to the proposed development.

7-31-85

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-407  
 Ref. No. 83-36 and 76-20  
 SEE CONDITION ON BACK

MA 14542

Millers Mobile Home Park  
 (Name of Facility)

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

Fred Miller

6414 N. College Drive

Cheyenne, WY 82009

to construct, install, or modify a additional soil absorption area onto existing septic system facility according to the procedures and conditions of the application No. 85-407. The facility is located in Section 15, 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.

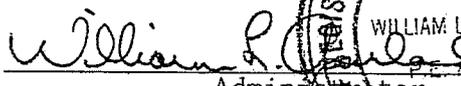
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

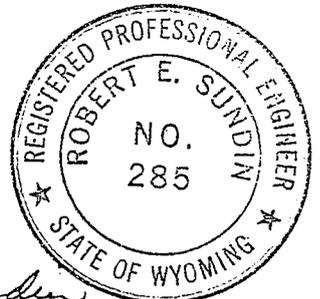
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
STATE OF WYOMING  
July 26, 1985  
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 #85-407

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

cc: Theodore D. Coyer  
Simons, Li & Assoc., Inc.  
1780 Westland Road  
Cheyenne, WY 82001

*Noranda*



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality  
Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

APR 28 1986  
**RECEIVED**  
APR 30 1986  
WATER QUALITY DIVISION  
WYOMING

Bridger-Teton National Forest  
ATTN: Mr. Ernie Nunn  
P.O. Box 1888  
Jackson, WY 83001

RE: Fremont Lake Campground Water System, WQD Reference No. 85-408

Dear Mr. Nunn:

I am in receipt of your letter dated April 7, 1986 regarding the above referenced improvements project. I understand that due to budget restraints, the project scope has been reduced to spring development and three (3) service connections only. Under Chapter III of the Water Quality Rules and Regulations, this does not constitute a "public water supply" and therefore will not require a permit to construct from our office.

However, should you expand the system to include twenty service connections or more, we would require "as built" plans for all of the existing system. If this is your ultimate plan, it would behoove you to construct all improvements to our existing minimum design requirements. If I can be of assistance to you in this endeavor, please contact this office.

Sincerely,

*Bill Locke*

Bill Locke, P.E.  
Water Quality Engineer

BL/jw  
copy: Larry Robinson, DEQ/WQD, Cheyenne

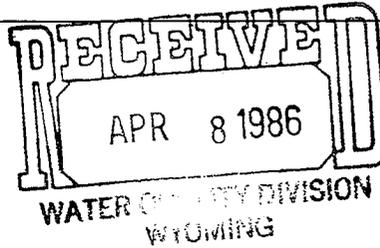


United States  
Department of  
Agriculture

Forest  
Service

Bridger-Teton National Forest  
P.O. Box 1888  
Jackson, WY 83001

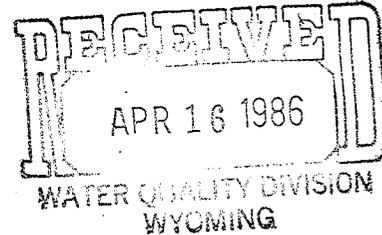
*norma*  
*close out*



Reply to: 7420

Date: APR 07 1986

Wyoming Department of Environmental Quality  
Attn: Bill Locke  
Water Quality Division  
Lander, WY 82520



Ref: Fremont Lake Campground Water System  
DEQ/WQD Ref. No. 85-408

Dear Mr. Locke:

The Fremont Lake Campground water system project referenced in your letter of February 20, 1986, has been revised since the original submittal.

Due to budget restraints, the project now consists of a spring development with three service connections to the campground. Under Chapter III, Water Quality Rules and Regulations for the State of Wyoming, Section 3, Definitions, Paragraph e, it indicates that a "public water supply" means any water supply being distributed by twenty or more service connections utilized to furnish water for human consumption either in preparing foods or beverages for inhabitants of residences or business establishments.

Since this project has only three service connections, we feel that it does not qualify as a "public water supply" as stated in the definitions section of the regulations.

If future funding becomes available, we will plan to expand the distribution system to the rest of the campground. If, at that time, the design exceeds the twenty service connections indicated in the regulation, we will submit the plans and specifications to your office for review.

We hope that this correspondence satisfies your inquiry of February 20, and if you have any further questions regarding this project, you will contact us. Thank you for your assistance and concern in this matter.

Sincerely,

*Ernie Nunn*

ERNIE NUNN  
Acting Forest Supervisor





*Department of Environmental Quality*

*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 20, 1986

U.S. Department of Agriculture  
Bridger Teton National Forest  
8226 Federal Building  
152 S. State Street  
Salt Lake City, UT 84138

Dear Sirs:

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 this proposed project is:

Facility Name: Fremont Lake Campground Water System

DEQ/WQD Reference Number: 85-408

Engineering Consultant: U.S. Department of Agriculture

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 7-29-85

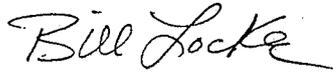
According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide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

Please indicate below the status of this project and return this form to our office.

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

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

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw



*Department of Environmental Quality*

*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 29, 1985

85-408

ABC

Arthur J. Carroll  
U.S. Forest Service  
8226 Federal Building  
125 S. State Street  
Salt Lake City, UT 84138

RE: Fremont Lake Campground Water System

Dear Mr. Carroll:

I am returning the plans, specifications and engineering report for the above project to you. I have also included copies of Chapter III and XII of the Wyoming Department of Environmental Quality, Water Quality Rules and Regulations. Please review these two chapters to become familiar with our permitting process and for required design parameters. I have also enclosed three copies of the application forms which must accompany the plans and specifications.

After you have reviewed the enclosed literature for compliance, please resubmit the required documents in triplicate to this office. Should you have any questions or comments, please contact either Jack Bedessem or myself.

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Evaluator

BL/jw  
Enclosures

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 85-409RRR

Battle Springs - Bairoil Water Connection  
(Name of Facility)

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

Town of Bairoil  
P.O. Box 58  
Bairoil, WY 82322

to construct, install, or modify a 4" diameter connection of the Bairoil water  
system to Amoco's Battle Springs water system

facility according to the procedures and conditions of the

application No. 85-409RRR. The facility is located in

Sec. 11, T26N, R90W

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.

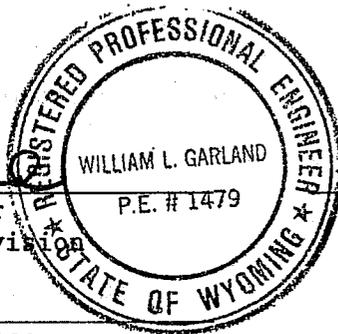
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

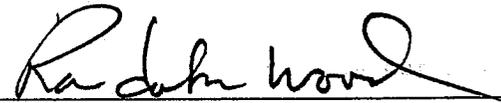
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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



  
Director  
Dept. of Environmental Quality

11-7-86  
Date of Issuance

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

norma



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

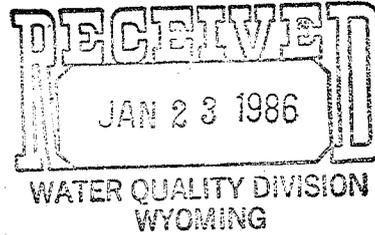
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 20, 1986

Mayor Cindy L. Bartlett  
Town of Bairoil  
P.O. Box 58  
Bairoil, WY 82322



Dear Mayor Bartlett:

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 this proposed project is:

Facility Name:	<u>Battle Springs-Bairoil Water Connection</u>
DEQ/WQD Reference Number:	<u>85-409</u>
Engineering Consultant:	<u>N/A</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>7-29-85</u>

Please indicate below the status of this project and return this form to our office.

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

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

Sincerely,

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

PROJECT: Battle Springs-Bairoil Water Connection

ENGINEER: Robert C. Hartley  
R.C.H. & Associates  
P.O. Box 1659  
Glenrock, WY 82637

OWNER: Town of Bairoil  
P.O. Box 58  
Bairoil, WY 82322

WATER QUALITY DIVISION REFERENCE NUMBER: 85-409

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: July 29, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans and specifications has been completed. The following comments must be addressed before a permit to construct will be issued:

1. An engineering design report should be submitted in conjunction with the plans and specifications as required by the Water Quality Rules and Regulations, Chapter XII, Section 6. This report should include, but not be limited to the following critical information:

a. A discussion of the present average and peak daily water demands for the Town.

b. A discussion of the present water production from the Town's springs.

c. A discussion of how the proposed project will solve the problem of the reduced spring production.

d. A discussion of how the proposed system will be operated in conjunction with the present system. Will the proposed system be used strictly for emergency water shortages?

e. Will this system create additional water pressures in Town?

*ABC*

2. A considerable amount of additional "as constructed" information is required for the Battle Springs system as listed below:

- a. Well logs. Are all the wells in the same formation?
- b. Are these wells protected from the 100 year flood?
- c. Detail of well design.
- d. A water analysis of the water from this system providing all the wells are in the same formation. If not, an analysis is required for each well in different formations.
- e. A description of how the wells are controlled and operated.
- f. Have all 16 wells actually been installed?
- g. Specifications on the transmission pipe will be required to ensure conformance with AWWA.

3. It appears that the 4" connection to the Battle Springs line at TA 306/100 should be to a 12" D.I.P. line instead of a 16" D.I.P. line. If the pipe was installed different from what is shown on the plans the plans will have to be changed to reflect the actual as constructed facilities.

4. Page 2 of 2 of the plans calls for a double backflow preventor. I believe this should be a double check valve or a backflow preventor.

5. Does the Town's present water system have the capabilities to disinfect this water? If not, provisions will have to be made in the plans and specifications to include disinfection equipment and connections as a minimum.

6. Flow meters should be installed in the lines to the two water sources to monitor the production of each.

Should you have any questions or comments, please contact either Jack Bedessem or myself.

BL/jw

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-410

MA 14542

Water Systems Improvements - Phase 3  
(Name of Facility)

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

South Cheyenne Water & Sewer District

908 Drew Court

Cheyenne, WY 82001

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 85-410. The facility is located in Sections 4, 5, 8, 17, 18, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

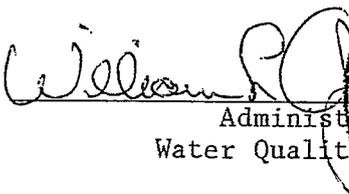
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

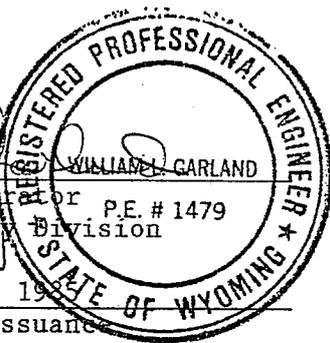
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

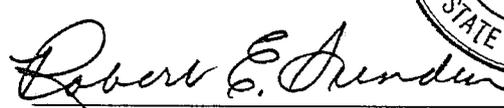
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

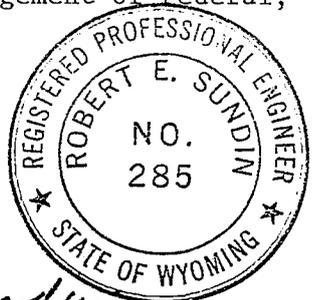
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
July 30, 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: Darryl Alleman  
P.O. Box 2021  
Greeley, CO 80632

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-411  
SEE CONDITIONS ATTACHED

MA 14542

O.J.U. TR7  
(Name of Facility)

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

Petro Lewis Corp.

Box 336

Osage, WY 82723

to construct, install, or modify a produced water skim pit according to the procedures and conditions of the application No. 85-411. The facility is located in NW1/4 SE1/4 Section 36, T46N, R64W in the County of Weston, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

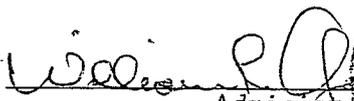
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

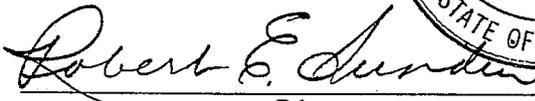
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

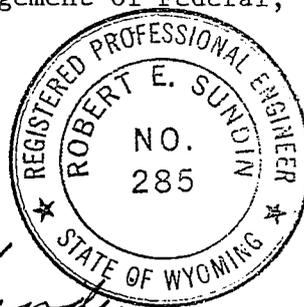
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Administ~~ra~~tor  
Water Quality Division  
P.E. # 1479  
July 31, 1980  
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 37,800 gallons of waste oil on the adjoining 18 miles of roads, comprising 44 acres, a total liquid application of 0.03 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-411

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. An annual analysis of the waste oil must be submitted to the department before each year's application. The analysis will include the following constituents:

pH	Lead
TOC	Mercury
EC (electrical conductivity, mmhos/cm @ 25°C)	Nickel
SAR	Selenium
Arsenic	Silver
Barium	Zinc
Cadmium	Oil and grease
Chromium	
Copper	
Iron	

In addition, the EP Toxicity test metals will also be analyzed according to that test procedure, until further notice or permit expiration.

5. Waste oils will be disked into the roads and the road surface regraded.



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.

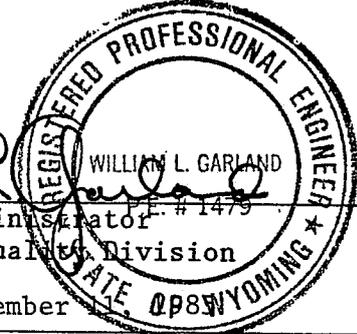
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

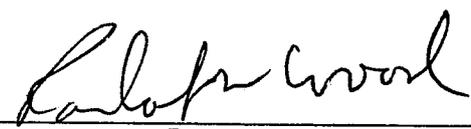
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
\_\_\_\_\_  
Administrator # 1479  
Water Quality Division  
September \_\_\_\_\_  
Date of Issuance



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

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

xc: Thomas E. Axthlem  
Inberg-Miller Engineers  
124 East Main Street  
Riverton, Wyoming 82501

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: Mule Creek Gas Plant Office Septic System  
North of Lusk

ARCHITECT OR ENGINEER: Thomas E. Axthlem  
Inberg - Miller Engineers  
124 East Main Street  
Riverton, Wyoming 82501

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-412

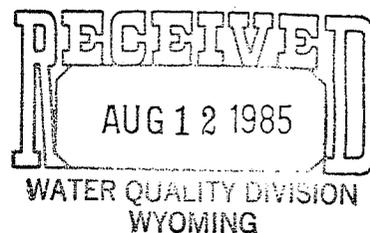
REVIEWING ENGINEER: Susan Holmes *SH*

DATE OF REVIEW: August 8, 1985

ACTION: Not Authorized

COMMENTS:

- 1) Please show on the plan view any potable water lines that may serve the building. They must be located 25 feet from the septic tank and the leach field.
- 2) It is not acceptable to use the area of the leach field for parking or a travelled way of any kind. The area's use is unclear on the plan view.





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 P. Garland*  
 \_\_\_\_\_  
 Administrator  
 Water Quality Division  
 PE # 1479  
 September 4, 1985  
 Date of Issuance



*Richard Wood*  
 \_\_\_\_\_  
 Director  
 Dept. of Environmental Quality

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

CONDITION

After construction, the liner of all three cells will be tested by measuring the permeability of undisturbed core samples at the rate of one per acre for the bottom area of the lagoon. In order for the tests to pass, they must show a permeability of  $4 \times 10^{-8}$  cm/sec or less as specified for the claystone in the geotechnical study dated July 23, 1985. The results of these tests will be submitted to the Sheridan DEQ/WQD office when available.

xc: Harry LaBonde, ARIX  
609 East Madison  
Riverton, WY 82501



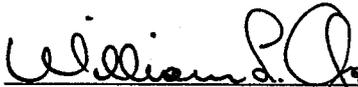
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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:

  
\_\_\_\_\_  
Administ~~ra~~tor  
Water Quality Division # 1479  
September 4,  
Date of Issuance



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

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

xc: Harry LaBonde  
ARIX  
609 E. Madison  
Riverton, WY 82501

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

Red. to  
Sheridan  
8/19

APPLICATION NUMBER 85-413 (add'l info)

DATE SUBMITTED FOR REVIEW 8-17-85

NAME AND LOCATION OF FACILITY Black Thunder Coal Mine

Campbell Co.

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

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

SIGNED Richard Lennep  
TITLE Eng Eval  
DATE 8-19-85

ACCEPTED FOR RECORD 8/19/85  
(Date)

ajm  
Groundwater Control Supervisor

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 83801

PROJECT: Black Thunder Coal Mine Sewage Lagoons

ARCHITECT OR ENGINEER: ARIX  
609 East Madison  
Riverton, Wyoming 82501

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-413

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: August 16, 1985

ACTION: Not Authorized

COMMENTS:

- 1.) I recall discussing the subject of riprap at some point in the past but I do not see it addressed in the drawings. If it is not used you must justify why you think it is unnecessary. I believe it would be wise to use riprap at least for the aerated cell.
- 2.) Cells 2 and 3 must be included in the liner testing procedures. Prefilling the lagoons for testing purposes may not be the best alternative considering the extra work involved if the tests fail. I would suggest using permeability tests of undisturbed core samples once the liner is complete at a rate of one per acre. This is the testing method suggested in the soils report.
- 3.) Comments from our Groundwater Section have not been received yet. I will forward those as soon as they're available.

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

Norma  
Returned to Standard  
8/14

APPLICATION NUMBER 85-413

DATE SUBMITTED FOR REVIEW 7-31-85

NAME AND LOCATION OF FACILITY Black Thunder Mine  
S17 T43N R70W  
Campbell Co.

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

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

SIGNED Richard Lennep  
TITLE Eng. Eval  
DATE 8-13-85

ACCEPTED FOR RECORD 8/14/85 ajm  
(Date) Groundwater Control Supervisor

8-20



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 13, 1985

Mr. Michael Quick  
Environmental Engineer  
Marathon Oil Company  
P.O. Box 2690  
Cody, WY 82414

RE: Byron Garland Field Monitoring Wells, DEQ/WQD Permit #85-414

Dear Mr. Quick:

Enclosed is a signed copy of the permit to construct 4 monitor wells at the Byron Garland Field office. Someone from the Water Quality Division will be on site to witness the well installation.

Once the wells have been constructed, and water samples have been analyzed, a report of your findings should be submitted to the Water Quality Division. This report should include logs and final construction details of the wells, as well as sufficient information to verify the extent of any groundwater pollution that may exist at the Byron Garland site.

Thank you for your attention to this matter.

Sincerely,

Katherine J. Laudon  
Groundwater Engineering Evaluator

KJL/nc

cc: Steve Gerber, DEQ/WQD, Lander  
Larry Wolfe, Assistant Attorney General

8-20

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 85-414  
SEE CONDITIONS ON BACK

Byron Garland Field  
(Name of Facility)

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

Marathon Oil Company

P.O. Box 2690

Cody, WY 82414

to construct, install, or modify a 4 monitoring wells according to the procedures and conditions of the application No. 85-414. The facility is located in Section 28, T54N, R97W in the County of Big Horn, 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.

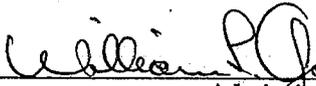
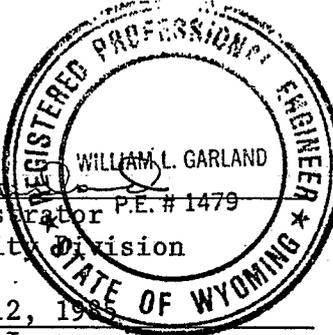
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

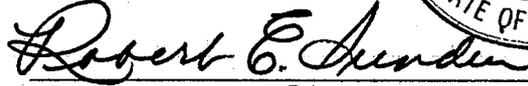
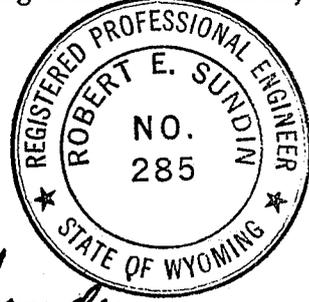
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Section,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

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
  
August 12, 1985  
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 #85-414

1. Additional wells may be installed if prior approval is received from the Water Quality Division.
2. Once the wells have been completed, the owner will provide the Wyoming Department of Environmental Quality, Water Quality Division with a report that details the logs and construction specifications of the completed wells.
3. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
4. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.



THE STATE OF WYOMING

8-16

MA 14542

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 15, 1985

Doug Dowlin  
316 La Paloma Drive  
Rawlins, WY 82301

RE: Septic Tank/Leachfield As-Built Plans and Specifications, DEQ/WQD Ref.  
No. 85-415R

Dear Mr. Dowlin:

Review of your as-built septic tank/leachfield system shows that the system meets minimum state specifications. Since your system has already been constructed a permit to construct cannot be issued. This letter is your record that the septic tank/leachfield installed meets minimum state specifications and has been approved by the Wyoming Department of Environmental Quality, Water Quality Division.

In the future if you are to build a septic tank/leachfield system, you must apply for a permit to construct prior to construction to avoid enforcement action.

If you have any questions, please contact this office.

William L. Garland  
Administrator

WLG/CN/nc

cc: Charles Bartlett, RJS & Associates, Inc., P.O. Box 1104, Rawlins, WY 82301  
Frank Alguire, Carbon County Planner

7-31-85

Review of Plans and Specifications

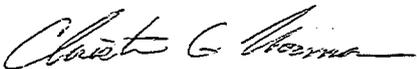
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Building, 4 West, 122 West 25th  
Cheyenne, Wyoming 82002

PROJECT: Doug Dowlin Sewage Disposal System, Carbon Co.

ARCHITECT OR ENGINEER: Chuck Bartlett, Robert, Jack, Smith & Associates, Inc.  
P.O. Box 1104, Rawlins, WY 82301

APPLICANT: Doug Dowlin, 316 La Paloma Drive  
Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 85-415

REVIEWING ENGINEER: Christian G. Norman 

DATE OF REVIEW: July 31, 1985

ACTION: AS-BUILTS. DO NOT MEET MINIMUM STANDARDS.

COMMENTS:

1. The depth to seasonally high groundwater shall be determined in the spring. Submit data which has been collected during the proper time. This may also be determined by checking the soil for mottling. Mottling will indicate seasonally saturated soils and the depth of seasonally high groundwater can be determined from this.
2. Although the system as-built meets minimum state standards, the formulas used by the U.S. Public Health Service are not valid for design of subsurface disposal systems in the State of Wyoming. The adsorption system loading rate should be determined from Figure 7, Part D, Chapter XI of the Wyoming Water Quality Rules and Regulations. These regulations and design procedure may also be found on the application package for small wastewater systems. I have enclosed two copies of this application per your request.

CN/nc



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

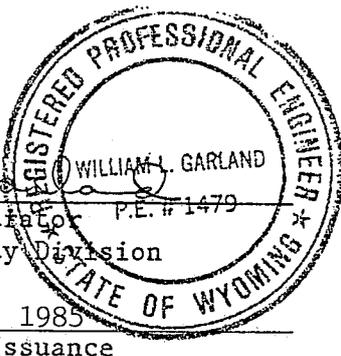
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
\_\_\_\_\_  
Administator  
Water Quality Division  
December 4, 1985  
Date of Issuance



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

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

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Wastewater Disposal System for N.W.C.C.  
Horse Management Facility

ENGINEER: Engineering Associates  
P.O. Box 1900  
Cody, WY 82414  
ATTN: Don Livingston

OWNER: Northwest Community College  
231 West 6th  
Powell, WY 82435

WATER QUALITY DIVISION REFERENCE NUMBER: 85-416R

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: October 10, 1985

ACTION: Not authorized.

COMMENTS:

I have completed the review of the additional information that you sent regarding the Farrier Science Addition. A permit to increase the allowable flow into the existing system can't be issued for the following reasons:

1. The maximum flow that the facility can handle by the current standards (Chapter XI) is 880 gallons per day. Twenty students at 15 gal/day equals 300 gallons. Therefore, the balance of 580 gal/day can be allotted to the 6 floor drains listed on the 1978 plans of the wastewater disposal system for the NWCC Horse Management Facility. The design criteria uses an estimated maximum flow of 1000 gallons per day. If 1000 gal/day is correct, the design flows already exceed the allowable flow capacity of 880 gal/day for the facility as designed when reviewed by current regulations. Yet your present proposal is to add on additional 2 floor drains with an unknown potential flow.

2. The septic tank installed is only 1000 gallons. Current regulations require 36 hours detention time. Therefore, the septic tank can only treat 667 gal/day by today's regulations.

C

Review of Plans & Specs.  
Ref. No. 85-416R  
October 10, 1985

3. I am also concerned that if a "washed fine aggregate for concrete" was used for the fill material in the mound, the percolation rate may be less than 1 min/in. rather than the specified 5 to 10 min/in. percolation rate. If this is true, the mound will provide little protection of the groundwater.

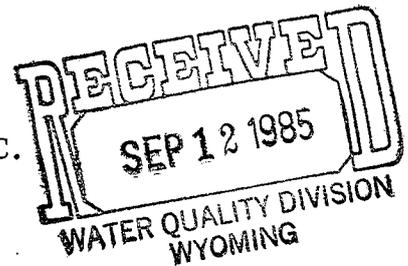
In conclusion, the information that we have indicates that the facility may already be too small for the existing flow when reviewed under current regulations. Unless substantial evidence is provided that shows that existing flows and projected flows generated by the addition can be treated by the facility in accordance with the design requirements, no further connection can be made to the existing facility without upgrading.

JH/jw

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Wastewater Disposal System for N.W.C.C.  
Horse Management Facility

ENGINEER: Engineering Associates  
P.O. Box 1900  
Cody, WY 82414  
ATTN: Don Livingston

OWNER: Northwest Community College  
231 West 6th  
Powell, WY 82435

WATER QUALITY DIVISION REFERENCE NUMBER: 85-416

REVIEWING EVALUATOR: Jeff Hermansky *Jeff*

DATE OF REVIEW: September 6, 1985

ACTION: Not authorized.

COMMENTS:

Since I haven't received any information as per our 8-19 and 8-28-85 phone discussions, I thought it would be best to repeat my questions and comments in writing:

1. In reviewing the plans it is not clear to me what is already constructed and what is proposed in this application.
2. There is no design information supplied. Where is the proposed increase in flow to originate and what is the quantity?
3. For your information, our review will be based on the current Chapter XI regulations. The original design was authorized prior to these regulations so there could be some differences in required sizing.

Please feel free to contact either Steve Gerber or me if you have any questions.

JH/jw

C



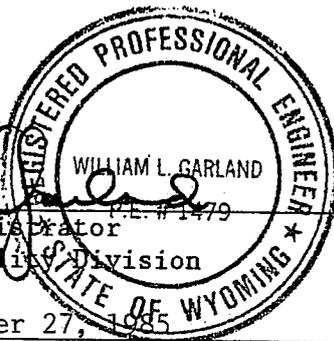
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:

  
William L. Garland  
Administrator  
Water Quality Division  
september 27, 1985  
Date of Issuance

Roslett Wood  
Director  
Dept. of Environmental Quality

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Sweetwater Resources Sedimentation Basin

ENGINEER: Leon Kjellgren  
Johnson-Fermelia & Crank  
1515 Ninth Street  
Rock Springs, WY 82901

OWNER: Sweetwater Resources, Inc.  
P.O. Box 1356  
Rock Springs, WY 82902

WATER QUALITY DIVISION REFERENCE NUMBER: 85-417

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 20, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans has been completed. The following items must be addressed before a permit to construct will be issued:

1. Has the previously reclaimed area been seeded?
2. Has the stream bank been cleaned and stabilized with rip-rap and/or seeding?
3. The small undeveloped area ( $\pm$  1 acre) at the extreme northwest portion of site appears to be quite flat. Explain how the runoff from this area will be directed to the sedimentation pond without a perimeter ditch.
4. The basin inlet structure detail is somewhat confusing. Please clarify.
5. In sizing this facility it is assumed that there will be a continuous loss to percolation of 1725 ft<sup>3</sup>/day (average percolation rate = 34 min/in). The sediment entering the pond in the form of runoff will tend to decrease this loss due to percolation to zero. This method of sizing is therefore unacceptable.
6. Provide operational information to describe how the pond will be dewatered if back to back precipitation events occur.
7. Please identify the elevation and width of the top of dikes.

*AB*

Review of Plans & Specs.

Ref. No. 85-417

Page Two

8. Construction specification should be included to define compaction and the type of material to be utilized in constructing this facility.

9. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-418  
 SEE CONDITIONS REVERSE SIDE  
*MA 1454*

JIM'S WATER SERVICE, BLAKE'S PIT - POND A  
 (Name of Facility)

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

Jim's Water Service  
P.O. Box 2290  
Gillette, Wyoming 82716

to construct, install, or modify a disposal pit for oil field produced water,  
reserve pit water, and drilling fluids

facility according to the procedures and conditions of the  
 application No. 85-418. The facility is located in Sec. 1, T.50N., R.71W.

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

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

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

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

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

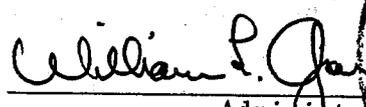
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

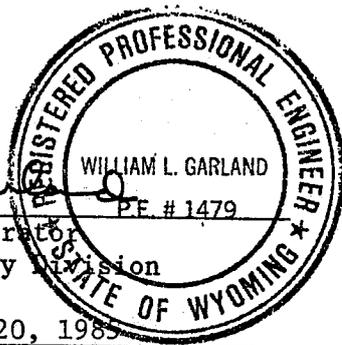
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

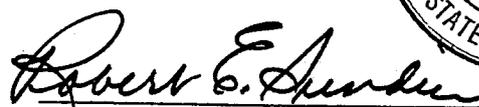
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

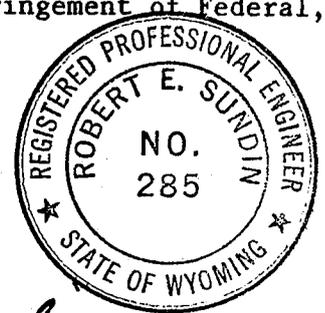
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
STATE OF WYOMING



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



August 20, 1985  
Date of Issuance

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

CONDITIONS

1. The monitor well installed on the east side of Pond A listed in "Report on Groundwater Investigations - Pond A Blake's Pit Site, Jim's Water Service, Gillette, Wyoming" as MW1 should be maintained as a permanent monitor well.
2. Initially, groundwater present should be sampled on a quarterly basis in a manner acceptable to the Wyoming Department of Environmental Quality, Water Quality Division, and shall be analyzed for pH, TDS, chlorides, sulfates, oil and grease. All sampling results shall be submitted to the Groundwater Section, Water Quality Division, within 20 days of the sampling event or within 20 days of the end of the quarter.

xc: Larry D. Baccari  
LeRoy Feusner

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

*Volume*  
*Returned to*  
*Shanda*  
*8/13/85*

APPLICATION NUMBER 85-418

DATE SUBMITTED FOR REVIEW 8-12-85

NAME AND LOCATION OF FACILITY J.W.S. BAKES PIT - POND A  
S1, T30N R71W  
CAMPBELL Co.

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

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

SIGNED *Richard Lennup*  
TITLE *Eng Eval*  
DATE 8-13-85

ACCEPTED FOR RECORD 8/13/85  
(Date)

*ajm*  
Groundwater Control Supervisor



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Rich Ruyle, Northeast District Supervisor  
FROM: R. J. Lennox, Groundwater Engineering Evaluator  
DATE: July 13, 1985  
SUBJECT: Jim's Water Service, Pond A - Blakes Pit, DEQ/WQD Ref. No. 85-418

I recommend the following concerning the subject permit application:

1. The monitor well installed on the east side of Pond A listed in "Report on Groundwater Investigations - Pond A Blake's Pit Site, Jim's Water Service Gillette, Wyoming" as MW1 should be maintained as a permanent monitor well.
2. Initially, groundwater present should be sampled on a quarterly basis in a manner acceptable to the Wyoming Department of Environmental Quality, Water Quality Division, and shall be analyzed for pH, TDS, chlorides, sulfates, oil and grease, sodium and potassium. All sampling results shall be submitted to the Groundwater Section, Water Quality Division, within 20 days of the sampling event or within 20 days of the end of the quarter.

RJL/nc



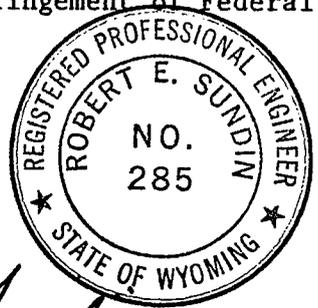
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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  
August 9, 1985  
Date of Issuance

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

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

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

xc: Johnson, Fermelia & Crank  
P.O. Box 1633  
Rock Springs, WY 82901



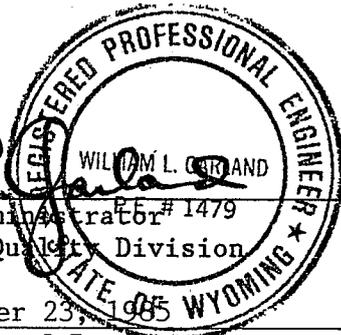
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GERLAND  
Administrator # 1479  
Water Quality Division  
  
October 23, 1985  
\_\_\_\_\_  
Date of Issuance

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

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



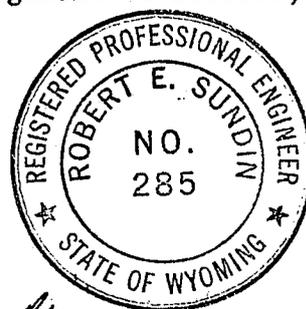
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

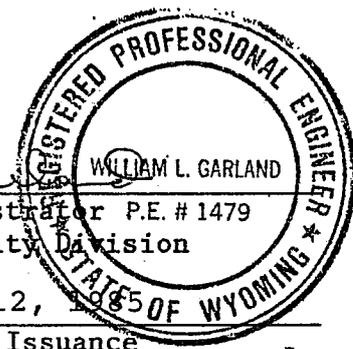
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

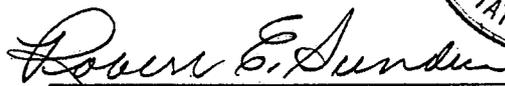
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
August 12, 1985  
Date of Issuance

A circular professional engineer seal for William L. Garland. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM L. GARLAND".

  
Director  
Dept. of Environmental Quality

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

\* CONDITIONS ON PERMIT \*

1. A complete analysis (in compliance with State and Federal regulations) of the wastewater quality entering this evaporation tank shall be submitted to the Lander Office of the Water Quality Division after 90 days of operation.

2. A complete analysis (in compliance with State and Federal regulations) to determine the presence of hazardous materials present in the sludge from this process shall be submitted to the Lander Office of the Water Quality Division after one year of operation.



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

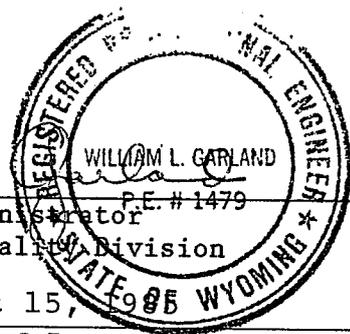
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

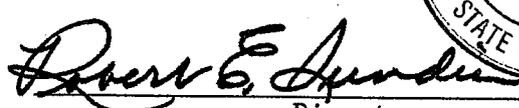
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

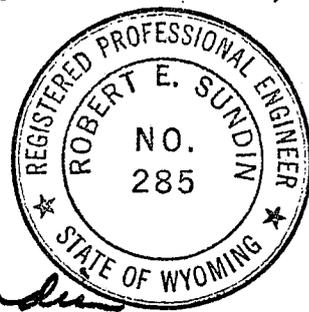
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
P.E. # 1479  
Administrator  
Water Quality Division  
August 15, 1985  
\_\_\_\_\_  
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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Kemmerer Sewer Interceptor

ENGINEER: Dan Dean  
Crank Companies, Inc.  
P.O. Box 631  
Kemmerer, WY 83101

OWNER: City of Kemmerer  
P.O. Box 312  
Kemmerer, WY 83101

WATER QUALITY DIVISION REFERENCE NUMBER: 85-422

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 12, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans and specifications has been completed. The following items must be addressed before a permit to construct will be issued:

1. Please provide buoyancy calculations on the lift station for review.
2. Maximum manhole spacing for sewer lines 15 inches and under is 400 feet. Please review Sheet 3 of 14 for compliance.
3. Please dimension horizontal and vertical separation of water and sewer lines on all plan and profile sheets.
4. The lift station must be fully operational in a 25 year flood and have no permanent damage caused by a 100 year flood. Please verify this.
5. Would recommend that cleanouts be installed at P.I. points of the force main for ease of maintenance.
6. Confusion that the pumps in the Type I Lift Station are below the minimum operational water level in the wet well.
7. Confusion that the submersible pumps in the Type II Lift Station have an adequate means of indicating a motor seal failure.

*B*

Review of Plans & Specs.  
Ref. No. 85-422  
Page Two

8. The specifications call for a hoist to be supplied as shown on the drawings. I am unable to locate this hoist on the drawings.

9. The engineering report states emergency power for this lift station would be provided by means of a portable generator that is stored in the City Shop. This generator is also used as emergency power for the Diamondville Lift Station. Please address what actions would be taken if both lift stations loose power.

10. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-423R  
 SEE CONDITIONS ATTACHED  
 MA 14542

Union Pacific Railroad Cheyenne Yards Hydrocarbon  
 Recovery and Groundwater Monitoring System  
 (Name of Facility)

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

Union Pacific Railroad Co.

ATTN: Gary Papek, Engineering Department

1416 Dodge Street, Omaha, NE 68179

to construct, install, or modify a hydrocarbon recovery well system and groundwater monitoring network facility according to the procedures and conditions of the application No. 85-423R. The facility is located in Sections 31 and 32, T14N, R66W and Section 6, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

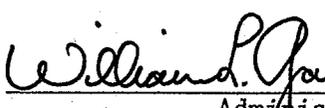
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

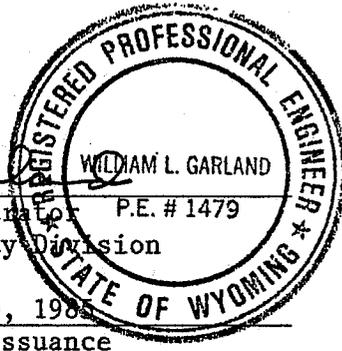
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

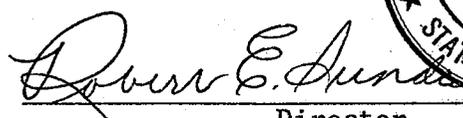
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

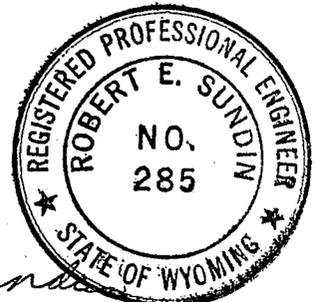
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administator of P.E. # 1479  
Water Quality Division  
August 30, 1988  
Date of Issuance



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



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

cc: John Howley, Environmental Manager, Chen & Associates,  
96 S. Zuni, Denver, CO 80223  
Kate Laudon, DEQ/WQD  
Tom Williams, DEQ/WQD  
LeRoy Feusner, DEQ/WQD

Conditions to Permit to Construct #85-423R

1. The applicant is authorized to construct and install additional hydrocarbon recovery wells and groundwater monitoring wells associated with the Cheyenne Union Pacific Railroad Yard facilities. As built plans/specifications along with an updated site map showing the location of any additional wells shall be provided to the Groundwater Section, Department of Environmental Quality, Water Quality Division, Herschler Building, Cheyenne, Wyoming 82002, within 20 days of the installation date.
2. Quarterly monitoring/progress reports shall be submitted to the Groundwater Section, Department of Environmental Quality, Water Quality Division, beginning with the third quarter 1985. These reports shall include groundwater quality sample analyses which completely characterize hydrocarbon/groundwater quality. Parameters shall include: static water level, hydrocarbon thickness, pH, TDS, oil and grease, TOC, chlorides, sulfates, phenol, lead, total chromium, cadmium, arsenic, barium, zinc, and sodium. Periodic complete organic analyses (GC/MS) will be required by the Water Quality Division on selected wells. Results of these quarterly monitoring samples shall be forwarded within 20 days following the end of each quarterly monitoring period.
3. A water quality trend analysis report of all data, including:
  - a. updated hydrocarbon thickness maps, potentiometric surface maps and iso-concentration maps of any indicator analytical parameters which show significant water quality impact;
  - b. statistical and graphic treatment of water quality data, and
  - c. a written summary of the site cleanup statusshall be submitted semi-annually to the Groundwater Section, Department of Environmental Quality, Water Quality Division, Herschler Building, Cheyenne, Wyoming 82002, beginning in December 1985. This report may be submitted as part of a quarterly report required under Condition 2 above.
4. Depending upon interpretation of the quarterly monitoring data by the Water Quality Division, the applicant may be required to extend the hydrocarbon investigation study and any associated hydrocarbon removal system beyond the existing limits of this authorized system. Additionally, the list of monitoring parameters may be modified to reflect sampling results.



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 3, 1985

Mr. Gary Papek  
Union Pacific Railroad  
Engineering Department  
1416 Dodge Street  
Omaha, NE 68179

RE: Permit to Construct No. 85-423R, UPRR Cheyenne Yards Hydrocarbon  
Recovery and Groundwater Monitoring System

Dear Mr. Papek:

Enclosed is a copy of the referenced permit to construct for the Cheyenne railroad yards. In an effort to make steady progress towards resolution of the groundwater quality study and remedial action, I suggest that both UPRR and the Water Quality Division hold frequent meetings in Cheyenne to review the project status and to present further proposals for satisfactory completion of the work. This would be particularly beneficial to us to have UPRR and your consultant to make an oral presentation of the semiannual water quality trend analysis report. Your contact within the Water Quality Division will be Kate Laudon.

The Water Quality Division has enjoyed the good work relationship which we have had with UPRR officials, and hope that continued cooperation may be achieved toward final resolution of this problem.

Sincerely,

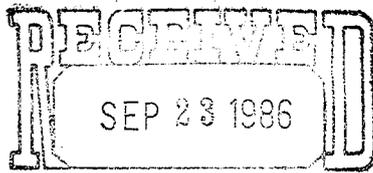
LeRoy C. Feusner, P.E.  
Southeast District Supervisor

LCF/nc  
Enclosure

hanna



THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*

*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

September 19, 1986

Mr. James W. Kovach  
Willow Mesa Construction  
P.O. Box 367  
Kemmerer, WY 83101

RE: Wastewater Disposal System, WQD Permit No. 85-424R

Dear Mr. Kovach:

I have completed my review of the plans and specifications for the above referenced system and found them to be in compliance with the minimum design standards for the State of Wyoming.

Because this system has already been constructed, a permit to construct cannot be issued. Therefore, please retain a copy of this letter as proof that the referenced system has been authorized by this department.

Sincerely,

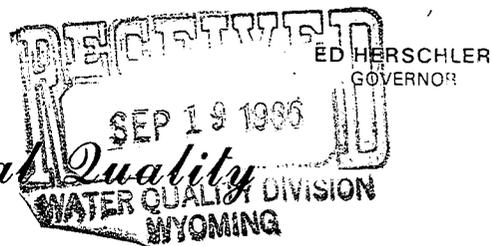
Bill Locke, P.E.  
Water Quality Engineer

BL/jw

*Norma*



THE STATE OF WYOMING



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

September 16, 1986

CERTIFIED P 399 271 461

Willow Mesa Construction  
ATTN: John Kovach  
P.O. Box 367  
Kemmerer, WY 83101

Dear Mr. Kovach:

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 this proposed project is:

Facility Name:	<u>Fontenelle Dam Septic Tank/Leachfield</u>
DEQ/WQD Reference Number:	<u>85-424</u>
Engineering Consultant:	<u>George Dale Crank</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>8-9-85</u>

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 this project and return this form to our office.

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

Page Two

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

hanna



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

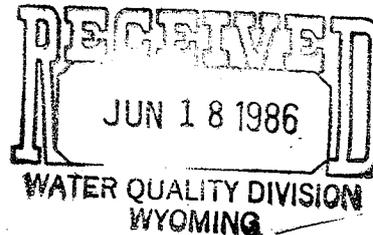
LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 12, 1986

CERTIFIED P 399 271 430

Willow Mesa Construction  
ATTN: John Kovach  
P.O. Box 367  
Kemmerer, WY 83101



Dear Mr. Kovach:

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 this proposed project is:

Facility Name:	<u>Fontenelle Dam Septic Tank/Leachfield</u>
DEQ/WQD Reference Number:	<u>85-424</u>
Engineering Consultant:	<u>George Dale Crank</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>8-9-85</u>

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 this project and return this form to our office.

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

The application will be resubmitted within thirty (30) days.

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

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

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

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

*Norma*



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

# Department of Environmental Quality

## Water Quality Division

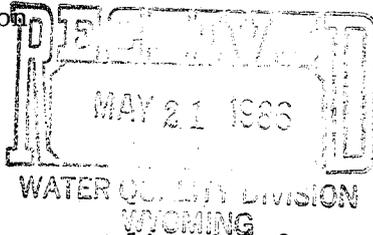
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 19, 1986

Willow Mesa Construction  
ATTN: John Kovach  
P.O. Box 367  
Kemmerer, WY 83101



Dear Mr. Kovach:

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 this proposed project is:

Facility Name: Fontenelle Dam Septic Tank/Leachfield

DEQ/WQD Reference Number: 85-424

Engineering Consultant: George Dale Crank

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 8-9-85

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 this project and return this form to our office.

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

The application will be resubmitted within thirty (30) days.

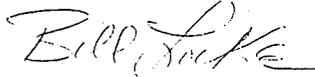
The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.

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

\_\_\_\_\_

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

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

herma



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

# Department of Environmental Quality

## Water Quality Division

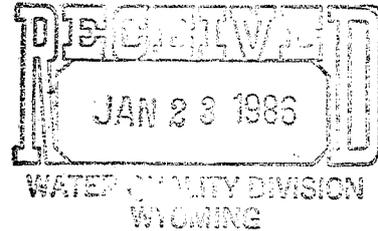
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 20, 1986

Mr. John Kovach, Jr.  
Willow Mesa Construction  
P.O. Box 367  
Kemmerer, WY 83101



Dear Mr. Kovach:

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 this proposed project is:

Facility Name: Fontenelle Dam Septic Tank/Leachfield

DEQ/WQD Reference Number: 85-424

Engineering Consultant: N/A

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 8-9-85

Please indicate below the status of this project and return this form to our office.

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

The application will be resubmitted within thirty (30) days.

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

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

Page Two

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

PROJECT: Fontenelle Dam Septic Tank/Leach Field

ENGINEER: George Dale Crank  
Crank Companies, Inc.  
Box 631  
Kemmerer, WY 83101

OWNER: Willow Mesa Construction  
P.O. Box 367  
Kemmerer, WY 83101

WATER QUALITY DIVISION REFERENCE NUMBER: 85-424

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 9, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans has been completed. The following items must be addressed before a permit to construct will be issued:

1. It is unclear who the owner/applicant is - Willow Mesa Construction or Recosol Inc. Would you please clarify and make the paperwork consistent.

2. It is stated in this package that the depth to bedrock or impermeable soil is 6 feet as determined by a backhoe. The bottom of the absorption system is shown to be 3'10". This would place the bottom of the absorption system 2'2" above the bedrock. Chapter XI, Part D, Section 36 of the Water Quality Rules and Regulations requires a minimum of 4 feet of separation.

3. On the plan sheet showing the plot plan, the length of the leach fields are shown as 100'. On the plan view, typical layout of the absorption system, the length is dimensioned as 80'. A length of 100' is required to obtain the proper absorption area. Please clarify.

4. On the plan sheet (site plan) please identify isolation distances between the septic tank and leach fields to the following:

Wells	Water lines
Property lines	Surface water
Buildings	

A

Review of Plans & Specs.

Ref. No. 85-424

Page Two

5. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw

8-14

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-425  
 SEE CONDITIONS ATTACHED  
 MA 14542

Garland Consolidated Battery  
 (Name of Facility)

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

Texaco, Inc.

P.O. Box 551

Powell, WY 82435

to construct, install, or modify a oil treater facility according to the procedures and conditions of the application No. 85-425. The facility is located in NE1/4 SE1/4 Section 33, T56N, R97W in the County of Big Horn, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

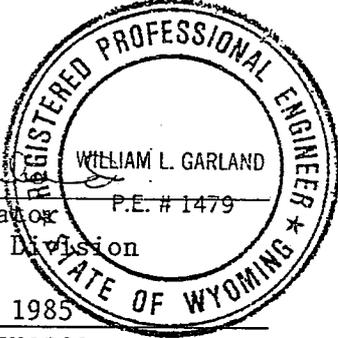
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

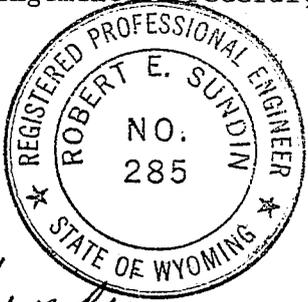
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
*William L. Garland*  
\_\_\_\_\_  
Administrator  
Water Quality Division  
August 9, 1985  
\_\_\_\_\_  
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.

This permit authorizes you to dispose of 126,000 gallons of waste oil sludges on the adjoining 7 miles of lease roads, comprising 17 acres, a total liquid application of 0.27 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-425

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. After application, waste oils will be incorporated into the roadbed.
5. An annual analysis of the waste oil for total metals and performance of the EP Toxicity test, as in the original application, will be required before waste application to the lease roads.

8-14

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-426  
SEE CONDITIONS ON BACK

MA 14543

Cheyenne Country Club Tennis Shop  
(Name of Facility)

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

Cheyenne Country Club

800 Stinner Road

Cheyenne, WY 82009

to construct, install, or modify a commercial subsurface wastewater treatment and disposal facility according to the procedures and conditions of the application No. 85-426. The facility is located in Section 24, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

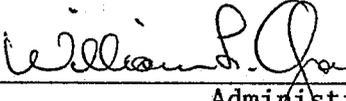
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

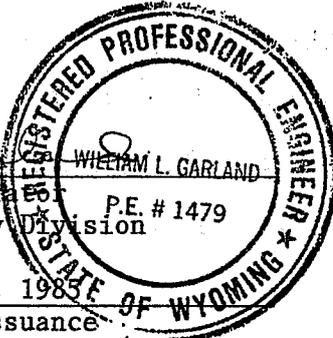
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

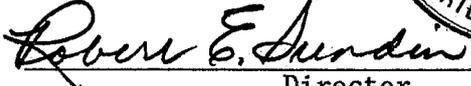
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

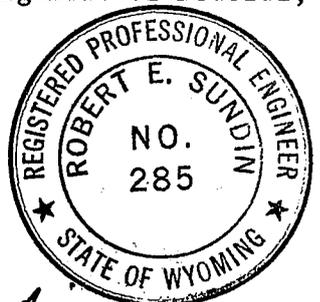
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrative  
Water Quality Division  
August 8, 1985  
Date of Issuance



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



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

Conditions to Permit to Construct

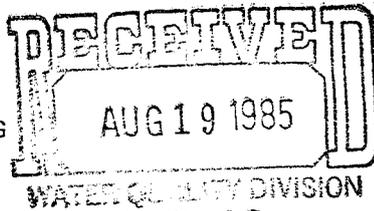
1. The bottom of the drainfield shall not be below the elevation of 95.5.
2. The permittee shall notify Don Pack, Laramie County Environmental Health, 1700 Snyder Avenue, Cheyenne, WY 82001, phone 638-8545, of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.
3. The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The 201 Facilities Plan Final Report: City of Cheyenne, South Cheyenne Water and Sewer District and Laramie County requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the facility plan.

cc: Jack Noblitt, 1920 Thomes Ave., Suite 620, Cheyenne, WY 82001

THE STATE



OF WYOMING



MA 14542

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*

*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

August 16, 1985

Ms. Marlys Petersen  
P.O. Box 757  
Moorcroft, Wyoming 82721

Dear Ms. Petersen:

I have reviewed the as-built construction plans for the modification to the wastewater disposal facility at Running Iron Enterprises east of Moorcroft (DEQ Permit to Modify No. 85-427). As described in my letter of August 15, 1985, I visited with you at the site on that same day to verify the size of the leach field. I also verified the lack of high groundwater at the site through the use of a backhoe hole that was dug in my presence.

The modification and original system as depicted in the plans and constructed meet the requirements of our regulations and are hereby approved. Since the installation has already been made, a permit to modify cannot be issued. However, this letter of approval serves essentially the same purpose. You should keep the letter on file for future reference.

Thank you for your time and cooperation. Please call me if you have any further questions.

Sincerely,

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

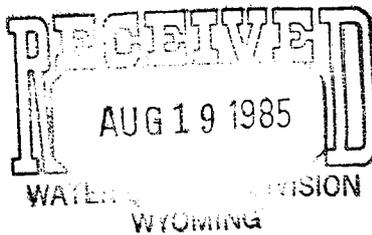
Rich Ruyle  
District Supervisor

RR:ls

xc: Ben Schulze

*aba*

THE STATE OF WYOMING



85-427

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

August 15, 1985

Ms. Marlys Petersen  
P.O. Box 757  
Moorcroft, Wyoming 82721

Dear Ms. Petersen:

A search of our files has revealed some correspondences in early 1983 from DEQ to Jack Petersen regarding the septic system at Running Iron Enterprises east of Moorcroft. In fact, a Notice of Violation was issued on February 24, 1983, and a letter from William Garland dated February 16, 1983, informed you of revocation of the original Permit to Construct for the septic system.

The reasons for these actions were threefold. All were based on an on-site inspection conducted by Tom Mueller with Mr. Fulciniti on December 30, 1982:

- 1.) The leach field was not as large as depicted on the approved set of plans.
- 2.) High groundwater was observed at the site at the time of the inspection.
- 3.) A layer of hard shale, as described by Mr. Fulciniti, exists near the ground surface.

If these conditions actually exist, the site would be unsuitable for a leach field system.

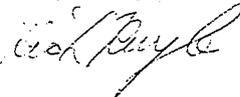
The plans you have submitted from High Plains Engineering show a leach field of sufficient size for the anticipated wastewater flow. I would like to verify its location and size with an on-site visit. The question of whether high groundwater exists at the site could be answered at the same time.

Ms. Marlys Petersen  
August 15, 1985  
Page Two

If these two items check out okay, the system will be approved. The suitability of the soil has already been determined by your percolation tests which were verified by High Plains.

I look forward to meeting with you and resolving the matter.

Sincerely,



Rich Ruyle  
District Supervisor

RR:ls

xc: Bill Garland  
Ben Schulze



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.

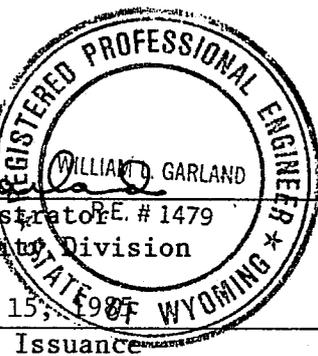
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
\_\_\_\_\_  
Administrator, P.E. # 1479  
Water Quality Division  
October 15, 1987  
Date of Issuance



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

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

CONDITIONS

1. The inlet elevation of the new sewer to the wetwell shall be 85.0.
2. The pump on elevation in the wetwell shall be 83.2.
3. The alarm elevation in the wetwell shall be 83.7.
4. Elevations are as referenced on the plan sheet.

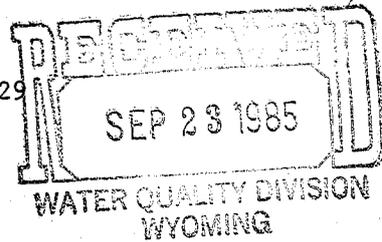
xc: Ralph Goodson

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: George Reed Water and Sewer Improvements  
Sundance, Wyoming

ARCHITECT OR ENGINEER: Ralph Goodson Goodson  
Bearlodge Engineering  
P.O. Box 130  
Sundance, Wyoming 82729



WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-428RR

REVIEWING ENGINEER: Susan Fields *SF*

DATE OF REVIEW: September 20, 1985

ACTION: Not Authorized

COMMENTS:

1. Where will the high level alarm be mounted? The alarm should be an audio and visual alarm placed in a conspicuous location.
2. The plan view does not show how the individual pump discharges are connected to the common four inch discharge.
3. The check valve location shown on the plans does not coincide with the location shown in the manufacturer's information. The location of these types of fittings should be shown in detail on the plans.
4. A shut-off valve is required on the discharge line.
5. A vent is required on the lift station.
6. The diameter of the basin as shown on the cover detail is 66 inches, yet a 60 inch diameter wet well is specified. Why are these numbers different?

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2121 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: George Reed Water and Sewer Improvements  
Sundance, Wyoming

ARCHITECT OR ENGINEER: Ralph Goodson  
Bearlodge Engineering  
P.O. Box 130  
Sundance, Wyoming 82729

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-428R

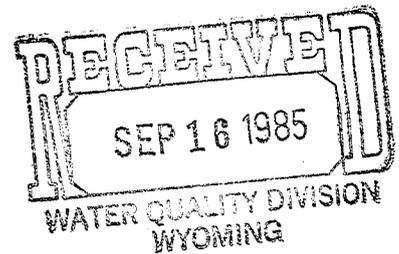
REVIEWING ENGINEER: Susan Fields *SF*

DATE OF REVIEW: September 12, 1985

ACTION: Not Authorized

COMMENTS:

1. No specifications are noted for water and sewer main installation.
2. Are services to be provided for the vacant lots. If so, they should be located on the plans.
3. The manufacturer's information supplied for the wet well design is not complete. A detailed plan view should be shown on the plans. The plan view should dimension the location of the pumps within the wet well along with piping, valves, fittings, etc.
4. Elevations should be shown on the detail of the lift station at the bottom of the structure, at the floats and at the inlet and outlet of the wet well.
5. Plans should show where the control panel for the lift station is to be mounted.
6. The operating efficiency of the pumps seems low. Why was this particular model selected?



Crook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: George Reed Water and Sewer Improvements  
Sundance, Wyoming

ARCHITECT OR ENGINEER: Ralph Goodson  
Bearlodge Engineering  
P.O. Box 130  
Sundance, Wyoming 82729

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-428

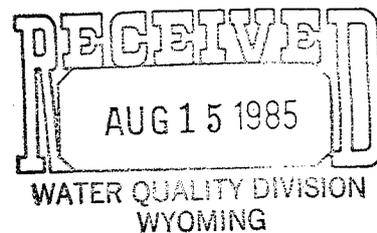
REVIEWING ENGINEER: Susan Holmes *SH*

DATE OF REVIEW: August 13, 1985

ACTION: Not Authorized

COMMENTS:

- 1) Grinder pump installations are limited to facilities with an equivalent design flow of 25 residential connections. The design flow of 25 gpm is significantly greater than this limit. Therefore, a grinder pump installation cannot be approved.





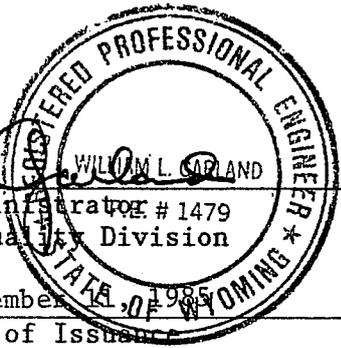
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

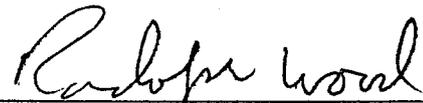
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
*William L. Garland*  
Administrator # 1479  
Water Quality Division  
September 1985  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

xc: Ralph Goodson

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Energy Plaza Water and Sewer Improvements  
Sundance, Wyoming

ARCHITECT OR ENGINEER: Ralph Goodson  
Bearlodge Engineering  
P.O. Box 130  
Sundance, Wyoming 82729

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-429R

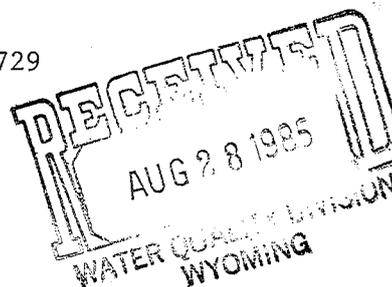
REVIEWING ENGINEER: Susan Holmes SA

DATE OF REVIEW: August 26, 1985

ACTION: Not Authorized

COMMENTS:

- 1.) The required separation for water and sewer services is not identified in the Wyoming Public Works specifications. This separation (10 foot minimum) should be shown on the plans.



REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: Energy Plaza Water and Sewer Improvements  
Sundance, Wyoming

ARCHITECT OR ENGINEER: Ralph Goodson  
Bearlodge Engineering  
P.O. Box 130  
Sundance, Wyoming 82720

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-429

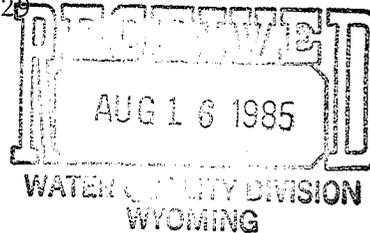
REVIEWING ENGINEER: Susan Holmes SA

DATE OF REVIEW: August 14, 1985

ACTION: Not Authorized

COMMENTS:

- 1) What pressures are expected in the water distribution system? Will excessive head loss be seen in the 6" mains during fire flow conditions?
- 2) Will service connections be made for the lots? If so, the locations should be shown on the plans.
- 3) Is the sewer main deep enough in the vicinity of Manhole D to serve Lots 10, 11 and 12 of Block 1?





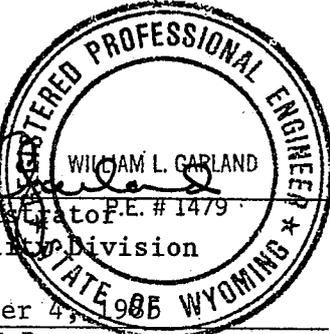
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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*  
Admin. Director P.E. #1479  
Water Quality Division  
September 4, 1985  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

xc: R.G. Stuckert & Assoc., Inc.  
55 Western Ave.  
Buffalo, WY 82834



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 16, 1986

SOHIO Petroleum Co.  
P.O. Box 30  
Casper, WY 82602

To whom it may concern:

Your statewide permit number 85-431, for small wastewater facilities, contains a condition requiring the notification of the appropriate county or state agency prior to the installation or abandonment of facilities authorized by the permit.

A review of state and county records indicates that very few of these facilities are being reported. It is important that these facilities be reported on a regular basis. County governments have agreed to the use of statewide permits on the condition that they be properly notified. If the statewide permitting system is not responsive to the needs of the counties, the state will not be able to issue statewide permits and it will be necessary to obtain permits for such facilities with the individual counties.

In order to address this problem you are requested to do the following:

1. Provide this office a list and location of all facilities constructed under your statewide permit.
2. Indicate the present status of each facility, i.e., operational or abandoned.
3. Indicate whether or not you wish to maintain the statewide permit in an active status.
4. Provide the required notification to both the appropriate county and state agency for all future facilities.

Sincerely yours,

*Lawrence Robinson*  
Lawrence Robinson  
Engineering Supervisor

LR/nc



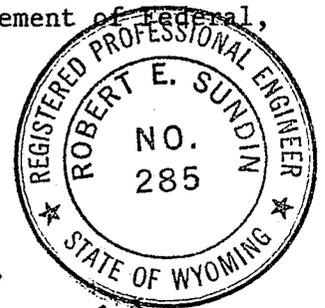
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

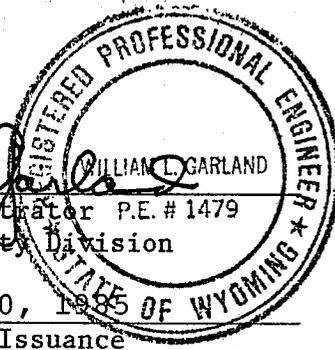
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



  
William L. Garland  
Administrator P.E. # 1479  
Water Quality Division  
August 20, 1985  
Date of Issuance

Robert E. Sundin  
Director  
Dept. of Environmental Quality

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

\* CONDITION ON PERMIT \*

1. The permit is valid for temporary construction camps only. Temporary being defined as one year or less. If a proposed construction camp is to be operated for more than one year, that camp must obtain authorization from this department.
2. The permittee shall notify the appropriate county and state agency prior to the installation, removal or abandonment of any facility authorized by this permit. The appropriate agency for each county is indicated in the attached list. Notification shall be by phone with a follow-up written notice. Upon abandoning the site, the facility will be removed, disposed of, or left in place in a condition rendering the site safe for the public. Any waste from the facility shall be disposed of only in areas and in a manner approved by the appropriate agency. Upon request, the permittee shall allow authorized representatives of the local agency or the State to have access to the authorized facility for the purpose of conducting an inspection to determine compliance with the provisions of this permit.
3. A set of the approved plans shall be supplied to each county agency in which a temporary facility is to be located. This shall be done prior to commencement of construction of said facility.

AGENCIES RESPONSIBLE FOR SMALL WASTEWATER PERMITS

1. Albany County  
Albany County Planning Office  
405 Grand Avenue  
Laramie, WY 82070  
Phone: (307) 721-5188
2. Big Horn County  
Big Horn County Engineer  
P.O. Box 31  
County Courthouse  
Basin, WY 82410  
Phone: (307) 568-2358
3. Campbell County  
Campbell County Engineer  
500 South Gillette Avenue  
Gillette, WY 82716  
Phone: (307) 682-1970
4. Carbon County  
District Supervisor  
Water Quality Division  
Department of Environmental Quality  
Herschler Bldg. - 4th West  
Cheyenne, WY 82002  
Phone: (307) 777-7781
5. Converse County  
Converse County Sanitarian  
County Health Department  
530 Oak  
Douglas, WY 82633  
Phone: (307) 358-2536
6. Crook County  
District Supervisor  
Water Quality Division  
Department of Environmental Quality  
2161 Coffeen Avenue  
Sheridan, WY 82801  
Phone: (307) 672-6457
7. Fremont County  
Fremont County Planner  
Room 200, County Courthouse  
Lander, WY 82520  
Phone: (307) 332-5371
8. Goshen County  
Goshen County Sanitarian  
P.O. Box 1132  
County Courthouse  
Torrington, WY 82240  
Phone: (307) 532-5002
9. Hot Springs County  
Hot Springs County Planner  
County Courthouse  
Thermopolis, WY 82443  
Phone: (307) 864-2732
10. Johnson County  
Johnson County Sanitarian  
County Courthouse  
Buffalo, WY 82834  
Phone: (307) 684-7555
11. Laramie County  
Laramie County Environmental Health  
1700 Snyder Avenue  
Cheyenne, WY 82001  
Phone: (307) 638-8545
12. Lincoln County  
Office of Planning and Development  
P.O. Box 414  
Afton, WY 83110  
Phone: (307) 886-3825
13. Natrona County  
Environmental Health Division  
Natrona County Health Department  
1200 East 3rd  
Casper, WY 82601-2990  
Phone: (307) 235-9316
14. Niobrara County  
District Supervisor  
Water Quality Division  
Department of Environmental Quality  
2161 Coffeen Avenue  
Sheridan, WY 82801  
Phone: (307) 672-6457

15. Park County  
 Park County Planning Coordinator  
 P.O. Box 160  
 Cody, WY 82414  
 Phone: (307) 587-2208
16. Platte County  
 Platte County Sanitarian  
 P.O. Box 55  
 Wheatland, WY 82210  
 Phone: (307) 322-9571
17. Sheridan County  
 Sheridan County Engineer  
 P.O. Box 612  
 Sheridan, WY 82801  
 Phone: (307) 672-3426
18. Sublette County  
 Sublette County Planner  
 P.O. Box 506  
 Pinedale, WY 82941  
 Phone: (307) 367-4375
19. Sweetwater County  
 Sweetwater County Sanitarian  
 205 East Railroad Ave.  
 Green River, WY 82935  
 Phone: (307) 875-2611 Ext. 278
20. Teton County  
 Teton County Sanitarian  
 P.O. Box 1727  
 Jackson, WY 83001  
 Phone: (307) 733-3959
21. Uinta County  
 Uinta County Engineer  
 225 9th Street  
 Evanston, WY 82930  
 Phone: (307) 789-1780 ext. 318
22. Washakie County  
 Washakie County Planner  
 County Courthouse  
 Worland, WY 82401  
 Phone: (307) 347-2741
23. Weston County  
 District Supervisor  
 Water Quality Division  
 Department of Environmental Quality  
 2161 Coffeen Avenue  
 Sheridan, WY 82801  
 Phone: (307) 672-6457

85-432  
MA 14542



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 21, 1985

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

RE: "As Built" Small Wastewater Facility (Permit #85-432)

Dear Mr. Tibbitts:

This letter is in response to the above mentioned facility. After reviewing the revised plans, they appear to meet the minimum design standards for the State of Wyoming. A "Permit to Construct" cannot be issued owing to the facility has already been built. Please retain this letter as verification that the facility has been accepted by the Wyoming Department of Environmental Quality. In the future would you please retain a permit for the facility prior to construction.

Sincerely,

Handwritten signature of Bill Locke in cursive script.

Bill Locke  
Water Quality Evaluator

BL/jw

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-433  
 SEE CONDITIONS ON BACK  
 MA-14542

Exxon Temporary Holding Tank  
 (Name of Facility)

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

Exxon Company, USA

P.O. Box 1600

Midland, TX 79702

to construct, install, or modify a temporary holding tank to service a temporary office facility according to the procedures and conditions of the application No. 85-433. The facility is located in Section 26, T28N, R114W in the County of Sublette, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

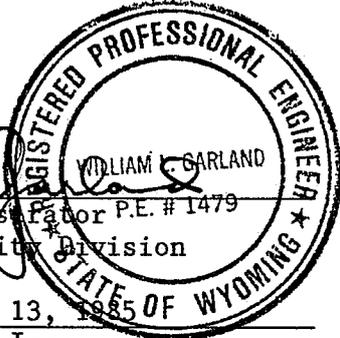
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

AUTHORIZED BY:

  
William L. Garland  
Adminis. P. or P.E. # 1479  
Water Quality Division  
September 13, 1985  
Date of Issuance

Ralph Wood  
Director  
Dept. of Environmental Quality

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

Conditions to Permit to Construct #85-433

1. The permit is valid for temporary construction camp only. Temporary being defined as one year or less. If a proposed construction camp is to be operated for more than one year, that camp must obtain authorization from this department.
2. The permittee shall notify Janet Montgomery, Sublette County Planner, P.O. Box 506, Pinedale, WY 82941, phone number 367-4375, 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.

Norma



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 1, 1986

Rosendahl & Associates  
ATTN: Elmer Kuball  
613 Moose Street  
Kemmerer, WY 83101



Dear Mr. Kuball:

Your application for Green Valley Ranch (DEQ Permit No. 85-434), is considered inactive under the assumption that you do not wish to proceed with the permit to construct process.

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

Sincerely,

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

William L. Garland  
Administrator

WLG/BL/jw



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 20, 1986

Rosendahl & Associates  
ATTN: Elmer Kuball  
613 Moose Street  
Kemmerer, WY 83101

Dear Mr. Kuball:

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

Facility Name:	<u>Green Valley Ranch</u>
DEQ/WQD Reference Number:	<u>85-434</u>
Engineering Consultant:	<u>Rosendahl &amp; Associates</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>8-16-85</u>

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 this project and return this form to our office.

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

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

Sincerely,

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

PROJECT: Green Valley Ranch Water & Sewer

ENGINEER: Rosendahl & Associates  
613 Moose Street  
Kemmerer, WY 83101

OWNER: Lincoln Heights Development Corp.  
2610 North 300 East  
North Logan, UT 84321

WATER QUALITY DIVISION REFERENCE NUMBER: 85-434

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 16, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans and specifications has been completed. The following items must be addressed before a permit to construct will be issued:

1. Three applications for permit to construct must be submitted with the plans and specifications.
2. A letter from the City of Kemmerer is required stating that the City has adequate capacity in its water and wastewater treatment facilities to service this area, and that the City will accept the collection and distribution systems upon completion of construction.
3. Some plumbing fixtures are manufactured with only a 100 psi working pressure. Some consideration should be given to limiting pressure to 100 psi at all lots.
4. Some fittings will have to be added to the waterline on the curve at the west end of Fremont Drive. The minimum radius of curvature for 6" diameter C-900 PVC is 150 feet.
5. A manhole is required at STA 12+00 of the sewer line. A clean out is required at the end of the sewer line on the south end of Green Valley Drive.

*AB*

Review of Plans & Specs.  
Ref. No. 85-434  
Page Two

6. Section 301, Water Mains of the Specifications calls for several different pipe materials. The plans call for Class 200 C-900 PVC. The same is true for the sewer pipe. Please clarify.

7. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw

PERMIT TO CONSTRUCT

Permit No. 85-435  
SEE CONDITIONS ATTACHED  
MA 14542

- New
- Renewal
- Modified

Western Nuclear #4 Pit (AML #7)  
(Name of Facility)

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

Michael Sheehan

P.O. Box 1

Baggs, WY 82321

to construct, install, or modify a uranium mine pit water (abandoned) facility according to the procedures and conditions of the application No. 85-435. The facility is located in SW1/4 SW1/4 Section 4, T12N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of one (1) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

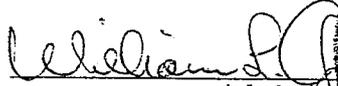
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

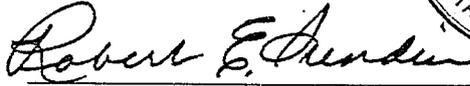
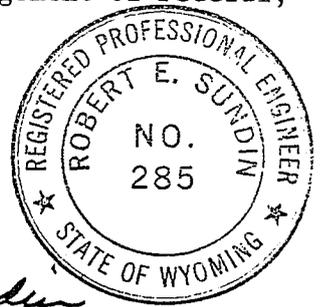
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
  
August 16, 1985  
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: Kurt Anselmi

This permit authorizes you to dispose of 1,000,000 gallons of uranium mine pit wastewater on the surrounding 16.5 acres, a total liquid application of 2.23 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-435

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. If a total background radiation (i.e. alpha, beta and gamma) survey was conducted on the application area, the results should be submitted on receipt of this permit. If the total radiation (rather than just the gamma survey) was not conducted, the survey should be redone before land application of the wastewater.
5. Before application of the wastewater to the surface, the pit will be resampled and the composite sample analyzed for dissolved uranium, unless sufficient sample remains at the lab.

The six soil samples will also be analyzed for available uranium.

6. Vegetation within the application site and exterior to (and upwind of) the application site will be sampled and analyzed in the Spring of 1986. Several entire grass, forb and browse plants will be selected from each area with the assistance of the appropriate Department of Environmental Quality personnel. The roots, stems and leaves will be analyzed at a competent laboratory for the following constituents: uranium, strontium, radium, and calcium. The purpose of the analysis is to establish the ratio of strontium and radium to calcium in the plant tissues, and the accumulation of uranium within the plant tissue.
7. The Land Quality Division of the Department of Environmental Quality is responsible for the proper containment and isolation of the bottom sediments and sludges in the pit.

7-22

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 85-436  
SEE CONDITIONS ATTACHED

MA 14542

Notches Dome Lease  
(Name of Facility)

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

Terra Resources, Inc.

P.O. Box 2116

Casper, WY 82602

to construct, install, or modify a produced water skim pond facility according to the procedures and conditions of the application No. 85-436. The facility is located in NE1/4 SW1/4 Section 3, T37N, R85W in the County of Natrona, in the State of Wyoming.

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

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

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

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

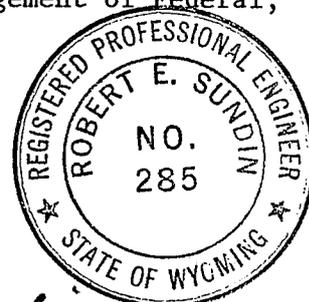
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

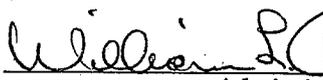
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

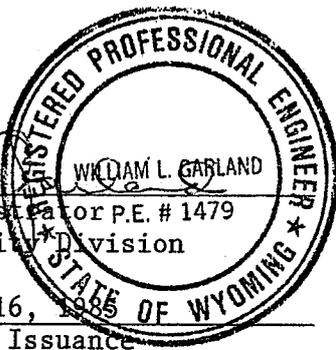
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
August 16, 1985  
Date of Issuance

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

  
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 42,000 gallons of waste oil wastewater on the adjoining 9 miles of lease roads, comprising 21.8 acres, a total liquid application of 0.10 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-436

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. After application, waste oils will be incorporated into the roadbed.
5. An annual analysis of the waste oil for total metals and performance of the EP Toxicity test, as in the original application, will be required before waste application to the lease roads in successive years.

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

*Returned  
to founder  
9-3*

APPLICATION NUMBER 85-437

DATE SUBMITTED FOR REVIEW 9-3-85

NAME AND LOCATION OF FACILITY PAINTER ESTATES FIFTEEN  
CODY WY  
PARK COUNTY

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

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

SIGNED Richard Lennix  
TITLE Eng. Eval  
DATE 9-3-85

ACCEPTED FOR RECORD 9/3/85  
(Date)

RAM  
Groundwater Control Supervisor



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Steve Gerber, Northwest District Supervisor  
FROM: R. J. Lennox, Groundwater Engineering Evaluator *RL*  
DATE: September 3, 1985  
SUBJECT: Painter Estates, DEQ/WQD Ref. No. 85-437

I have reviewed the subject application for groundwater concerns and have the following comment:

Since no groundwater information is presented except for statement that groundwater occurs seven feet below the surface (site information B.6), I reviewed the State Engineers' well study to determine what types of wells were permitted in the vicinity of this project. The well study showed that nine domestic wells have been permitted in Section 4, T56N, R106W with the shallowest S.W.L. listed as "4'". This corresponds with the observation submitted by the applicant but it also indicates the need for extra caution in placing a septic leach field system ensuring that a minimum separation of three feet exists from the bottom of the absorption systems stone and the estimated groundwater mound imposed on the seasonally high groundwater table (see Chapter XI, page 95).

DL/nc

117

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 85-438R  
MA 14542

Town of Thermopolis - Waterline Replacement  
(Name of Facility)

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

Town of Thermopolis  
P.O. Box 603  
Thermopolis, WY 82443

to construct, install, or modify a 12" PVC SDR 18 waterline to replace  
a 6" AC line

\_\_\_\_\_ facility according to the procedures and conditions of the  
application No. 85-438R. The facility is located in \_\_\_\_\_

Sec. 25 & 36, T43N, R95W

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

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

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

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

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

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

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

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

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

AUTHORIZED BY:

  
William L. Garland  
Administrator  
Water Quality Division  
October 18, 1985  
Date of Issuance

Randolph Wood  
Director  
Dept. of Environmental Quality

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



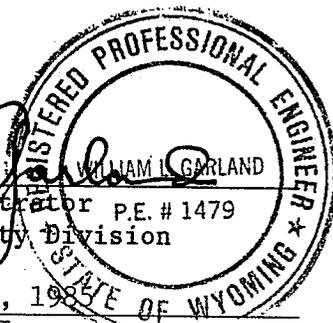
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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 I. Garland  
Administrator P.E. #1479  
Water Quality Division  
October 25, 1985  
Date of Issuance

Rudolph Wood  
Director  
Dept. of Environmental Quality

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



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

December 11, 1986

Mr. Steve Webb  
Amoco Production Company  
P. O. Box 1400  
Riverton, Wyoming 82501

Re: Groundwater Monitoring, Amoco Moxa Arch Evaporation Pond  
Water Quality Division Reference Number 85-440R

Dear Mr. Webb:

This letter will document the concurrence of the Wyoming Department of Environmental Quality, Water Quality Division with Amoco's groundwater sampling procedure for the Moxa Arch Evaporation Pond located in Section 8, T18N, R11W in Sweetwater County. The approved procedure is outlined in letters from B.H. Balthrop to Jack Bedessem and me dated November 24, 1986 and November 5, 1986, respectively.

Please address all groundwater monitoring reports to:

Department of Environmental Quality  
Water Quality Division  
Groundwater Section  
Herschler Building, 4th Floor West  
Cheyenne, Wyoming 82002

Thank you for your cooperation with the Water Quality Division in this matter.

Sincerely,

Katherine J. Laudon  
Groundwater Engineering Evaluator

KJL/jn

cc: Jake Strohmman, DEQ/WQD, Cheyenne  
Tom Williams, DEQ/WQD, Cheyenne  
Jack Bedessem, DEQ/WQD, Lander

10-72

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 85-440R

\* CONDITIONS ON PERMIT \*

*MA 14542*

Moxa Arch Evaporation Pond  
(Name of Facility)

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

Amoco Production Company

P.O. Box 1400

Riverton, WY 82501

to construct, install, or modify an evaporation pond for production water from

gas well

facility according to the procedures and conditions of the

application No. 85-440R. The facility is located in

Sec. 8, T18N, R111W

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.

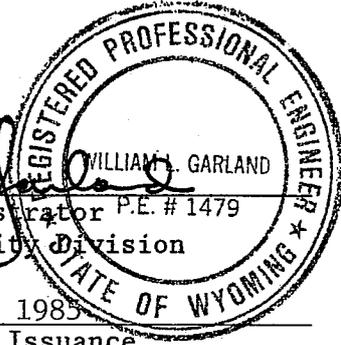
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

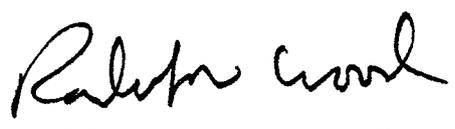
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
Adminisrator P.E. # 1479  
Water Quality Division  
October 8, 1985  
Date of Issuance



  
Director  
Dept. of Environmental Quality

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

\* CONDITIONS ON PERMIT \*

1. Confirm groundwater classification by analyzing an additional sample from each of the monitoring wells for the parameters outlined in Chapter VIII. This must be accomplished prior to placing the facility in operation.
2. The owner/operator must maintain the necessary equipment to dewater this facility within 48 hours should a leak be detected.
3. This permit is for a disposal pond to contain produced water from gas wells only.
4. No hazardous wastes as defined by the U.S. EPA or State of Wyoming shall be placed in this facility. Before any wastes, other than those specified by this permit, may be disposed of in this facility, authorization must be obtained from DEQ/WQD.
5. In the event that seepage or a leak is detected or suspected, the DEQ/WQD must be notified immediately. Please contact Southwest District Supervisor at 210 Lincoln, Lander, Wyoming, 307-332-3144. Investigative or mitigative measures must be accepted by the DEQ/WQD.
6. The DEQ/WQD shall be contacted prior to the reclamation of this facility. The method of reclamation must be accepted by this department.



*run file* *nomex*

*Department of Environmental Quality*  
*Water Quality Division*

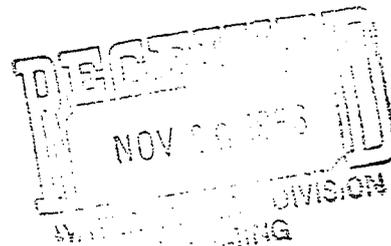
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 14, 1986

Steve Webb  
Amoco Production Company  
P.O. Box 1400  
Riverton, WY 82501



RE: Final Construction Report for Moxa Arch Evaporation Pond, 85-440R  
Sweetwater County

Dear Mr. Webb:

On October 8, 1985 the DEQ/Water Quality Division issued "Permit to Construct" 85-440R for the Moxa Arch Evaporation Pond (Sec. 8, T18N, R111W, Sweetwater County). Water Quality Rules and Regulations, Chapter XI, Section 30 requires "written certification that the soil liner was constructed in accordance with specifications shall be provided by a Wyoming professional engineer or an independent soils laboratory".

This department has received the final Construction Report dated September 23, 1986 and corresponding documentation for the facility. Based on a review of the information submitted, it appears that the facility was constructed according to the authorized plans and specifications.

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

Sincerely,

Jack Bedessem  
Southwest District Supervisor

JB/jw

cc: Larry Robinson, DEQ/WQD, Cheyenne  
Pat Bullinger, Chen & Associates  
Plans  
File (2)



Chen & Associates  
Consulting Geotechnical Engineers

605 Rahonce  
Rock Springs, WY 82901  
307/362-1762

Casper  
Cheyenne  
Colorado Springs  
Denver  
Glenwood Springs  
Salt Lake City

November 11, 1986

85-440R

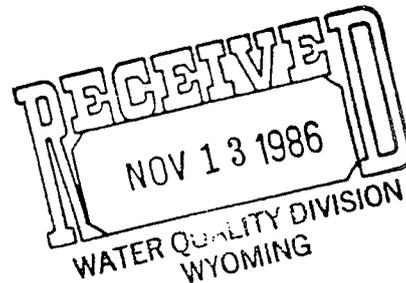
Subject: Permeability test results for the soil-bentonite liner, Moxa Arch Disposal Facility, Sweetwater County, Wyoming

Job No. 8-167-86

Department of Environmental Quality  
Water Quality Division  
210 Lincoln Street  
Lander, WY 82520

Attention: Mr. Jack Bedessem

Dear Mr. Bedessem:



This letter presents our comments concerning the field permeability test results for the soil-bentonite liner at the Amoco Moxa Arch Water Disposal Facility.

During a telephone conversation on November 6, 1986, you questioned why several of the field permeability values presented in Table B-I of the Construction Report were greater than the permeability of  $4 \times 10^{-8}$  cm/sec for design of a 1 foot thick soil-bentonite liner. As discussed, an accurate determination of the permeability values for hydraulic barriers is difficult to obtain with field and laboratory test procedures. The permeability testing for the Moxa Arch facility was performed in the field using an air entry permeameter. This test consists basically of driving a 12 inch diameter steel ring into the liner soils, soaking the test area for 24 hours, and determining the permeability by measuring the water drop versus time.

The field permeability test results presented on Table B-I varied from approximately  $2 \times 10^{-7}$  to  $1 \times 10^{-8}$  cm/sec. We feel the variability in the permeability values that were obtained during the field testing are a

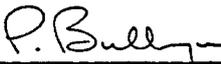
Department of Environmental Quality  
November 11, 1986  
Page 2

reflection of the limitations of the testing procedures and do not necessarily indicate that the soil-bentonite liner will not perform satisfactorily.

We hope this clarifies your questions concerning the integrity of the soil-bentonite liner at the Moxa Arch Facility. If you have additional questions, please call.

Sincerely yours,

CHEN AND ASSOCIATES, INC.

  
\_\_\_\_\_  
Pat Bullinger

PB:vs  
Reviewed: B.J.B.

cc: Amoco Production Co., Steve Webb  
Monroe Fahrenbach

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Moxa Arch Evaporation Pond

ENGINEER: Kenneth Temme  
Chen and Associates, Inc.  
605 N. Warehouse Rd.  
Casper, WY 82601

OWNER: Amoco Production Company  
P.O. Box 1400  
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 85-440

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: September 13, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans and specifications has been completed. The following items must be addressed before a permit to construct will be issued.

1. The Water Quality Rules and Regulations, Chapter XI, Part C, Section 30 requires that a minimum of two cells be constructed for this type of facility. The largest cell shall have a volume not to exceed 55 percent of the total waste volume.

2. Please submit the wave and run up calculations that are referenced in the design report to this office.

3. Seeding of the outside dike slopes is required.

4. Please provide the water balance calculations that were prepared in determining the pond size.

5. The facility must have the capability to dewater this pond(s).

6. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

7. Groundwater comments are attached.

BL/jw

C

9-17

Kate kept plans

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 85-440

DATE SUBMITTED FOR REVIEW 8-22-85

NAME AND LOCATION OF FACILITY Amoco Moxa Arch Evap Pond  
SW 1/4 NW 1/4 Section 8, T18N, R111W  
Sweetwater County

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

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

Comments attached.

SIGNED Kate Laudon  
TITLE Engineer Evaluator  
DATE 9-16-85

ACCEPTED FOR RECORD 9/17/85  
(Date)

ajm  
Groundwater Control Supervisor



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Bill Locke, Engineer Evaluator, Southwest District

FROM: Kate Laudon, Groundwater Engineer Evaluator *KL*

DATE: September 16, 1985

SUBJECT: Application for permit to construct Amoco Moxa Arch Evaporation Pond,  
DEQ/WQD Reference No. 85-440

Chen and Associates, on behalf of Amoco, has submitted an application for a permit to construct the Moxa Arch evaporation pond located near Granger, Wyoming, in the SW1/4 NW1/4 Section 8, T18N, R111W in Sweetwater County. Amoco wants to construct the facility this fall, so Chen and Associates have been in daily telephone contact with me concerning groundwater concerns at the site.

Preliminary drilling at the site indicated that groundwater was present in two out of six test holes drilled. The groundwater seems to occur in the claystone bedrock on the southern end of the site. Field permeability tests conducted on the bedrock indicate permeabilities ranging from  $1.8 \times 10^{-3}$  cm/sec to less than  $10^{-6}$  cm/sec.

Amoco proposes to install a soil-bentonite liner constructed by compacting 1 foot of the upper soils or bedrock with a bentonite application rate of 3 lbs/sq ft per 6 inch layer. This will result in an in-place permeability rate less than  $10^{-8}$  cm/sec.

Because the occurrence of groundwater has been documented at the site, additional background information must be provided before we can determine if the proposed liner will offer an acceptable level of seepage protection. In response to my request for additional groundwater information, Chen completed three 50 foot monitor wells on the NE, SE, and SW corners of the site. Groundwater had developed overnight in MW-6 located on the SW corner of the site. Chen intends to return to the site on September 16, 1985 to measure static water levels in any wells with water in them. The wells will then be developed, and sampled for the Chapter VIII parameters, excluding radionuclides to determine background water quality. They expect the analytical work to take about 2 weeks.

Provided, that no unusual analytical results are encountered, this work should be sufficient to characterize groundwater at the site.

KL/nc



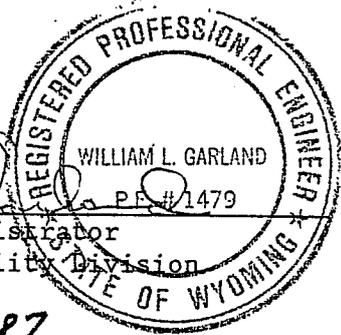
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

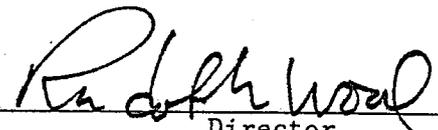
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
  
7-22-87  
Date of Issuance

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

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



*Department of Environmental Quality*

*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 20, 1986

Kenneth J. Walker  
Uinta Engineering  
P.O. Box 746  
Evanston, WY 82930

Dear Mr. Walker:

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 this proposed project is:

Facility Name:	<u>Yellow Creek Estates Mobile Home Park</u>
DEQ/WQD Reference Number:	<u>85-441</u>
Engineering Consultant:	<u>Uinta Engineering</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>8-22-85</u>

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 this project and return this form to our office.

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

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

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

UINTA ENGINEERING & SURVEYING, INC.

808 MAIN ST. - P.O. BOX 746

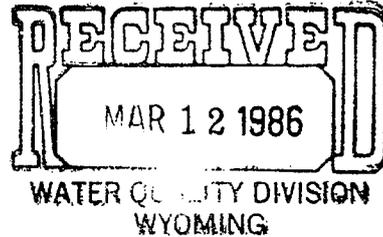
EVANSTON, WYOMING 82930

(307) 789-3602

*Norma*

PRINCIPALS:

John A. Proffit  
Cloey C. Wall



ASSOCIATES:

R. Chris Fox  
Kenneth J. Walker  
Richard G. Ludwick  
Lynne D. Fox

March 11, 1986

Mr. Bill Locke, P.E.  
Wyoming Department of  
Environmental Quality  
Water Quality Division  
210 Lincoln Street  
Lander, WY 82520

RE: Yellow Creek Estates Mobile Home Park #85-441

Dear Mr. Locke:

This is in regards to your inquiry of February 20, 1986, on the subject project. I wish to inquire further regarding the status of this.

The subject project was originally approved with no effluent measuring device. And then in 1984 or 1985, the owners were informed that one would be required. We designed a wier to fit in the existing chlorine contact chamber. However, this was rejected because of regulations regarding continuous flow measurement records.

My main question is this; have regulations evolved requiring that effluent measuring devices be placed in installations which were originally approved with no such device? If so, this is quite a major expenditure in this particular installation, especially when occupancy is so low and sewage contribution is so much below design capacity.

Your comments are invited. Thank you.

Sincerely,

*John A. Proffit*  
John A. Proffit, P.E.

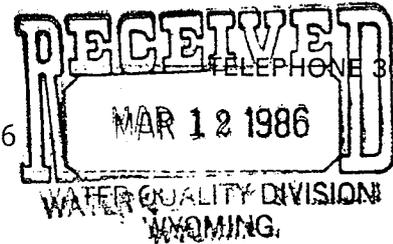
JAP/pjk



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520



TELEPHONE 307-332-3144

February 20, 1986

Kenneth J. Walker  
Uinta Engineering  
P.O. Box 746  
Evanston, WY 82930

Dear Mr. Walker:

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 this proposed project is:

Facility Name: Yellow Creek Estates Mobile Home Park

DEQ/WQD Reference Number: 85-441

Engineering Consultant: Uinta Engineering

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 8-22-85

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 this project and return this form to our office.

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other Remarks: Letter Enclosed

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

PROJECT: Yellow Creek Estates-Effluent Flow Monitoring

ENGINEER: Kenneth J. Walker  
Uinta Engineering & Surveying, Inc.  
P.O. Box 746  
Evanston, WY 82930

OWNER: Yellow Creek Estates Mobile Home Park  
P.O. Box 2500  
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 85-441

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 22, 1985

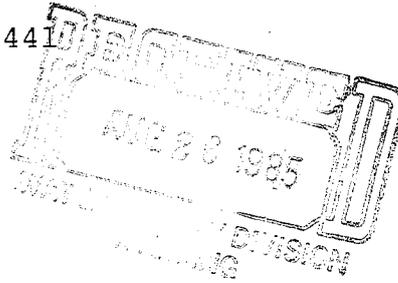
ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans has been completed. The following items must be addressed before a permit to construct will be issued:

1. It appears from the details that the weir is a 90° sharp crested V-notch weir. Please verify this.
2. The Water Quality Rules and Regulations require that any plant having an average design flow of 50,000 gpd or more must have instantaneous recording on the flow measuring device. (Refer to Chapter XI, Part B, Section 11, h, ii).
3. During the March 21, 1985 O & M Inspection, it was noted by personnel from this office that the chlorine contact chamber was in need of renovation. Has this work been completed? If not, it may be reasonable to include it with this project.
4. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw



*AC*



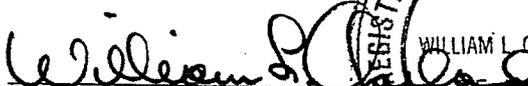
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

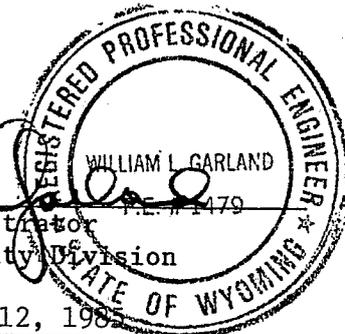
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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  
September 12, 1982  
Date of Issuance



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

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Eden-Farson School Water System

ENGINEER: Wayne L. Johnson  
Johnson-Fermelia Co., Inc.  
Box 1633  
Rock Springs, WY 82902

OWNER: Sweetwater School District No. 1  
P.O. Box 1089  
Rock Springs, WY 82902

WATER QUALITY DIVISION REFERENCE NUMBER: 85-442

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 22, 1985

ACTION: Not authorized.

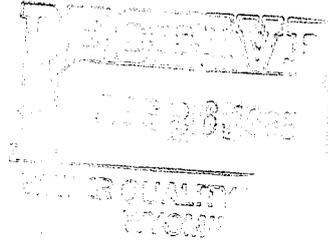
COMMENTS:

A preliminary review of the above plans and specifications has been completed. The following items must be addressed before a permit to construct will be issued:

1. It is agreed that the Uniform Plumbing Code fixture basis method for analyzing water supply systems yielded some unrealistic flow rates. However, it is felt that the modified procedure using estimated peak flows has produced flow rates that are too low. In reviewing the size and layout of the existing system, we feel that it is quite comparable to a mobile home park. In Chapter XI, Part F, Section 59 of the Water Quality Rules and Regulations, standards are outlined for potable water supply standards for mobile home parks. In this section, reference is made to a mobile home park of 25 units (you have 19 dwellings) being capable of supplying 65 gpm. Although this is only a comparison, we feel it is a realistic one. Please review your system analysis to produce more liberal flow rates. If existing flow metering data is available, it would be helpful.

2. What source of water is used for lawn irrigation, if any exists? If this source of water is used for lawn irrigation in addition to potable water service, this should be allowed for in the analysis.

3. On page 7 of the Water System Study it is stated that two areas presently have the potential for experiencing low water pressures. What plans are formulated to alleviate this problem?



*AC*

Review of Plans & Specs.

Ref. No. 85-442

Page Two

4. The present system has 535 gallons of storage (useable and unuseable). The proposed plan is to replace this with three new diaphragm tanks that will have a compared storage of 258 gallons (useable and unuseable). This is effectively reducing the storage capacity by greater than 50%. This surely will have an adverse effect upon the overall operation of the system. Please address this issue.

5. Please provide a detail of the flushing system to the irrigation ditch adjacent to the East Housing.

6. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-443  
 SEE CONDITIONS ATTACHED  
 MA 14542

Champlin 454 A-#1  
 (Name of Facility)

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

Amoco Production Co.

Box 829

Evanston, WY 82930

to construct, install, or modify a drilling fluids reserve pit according to the procedures and conditions of the application No. 85-443. The facility is located in NW1/4 NW1/4 Section 15, T12N, R118W in the County of Uinta, in the State of Wyoming.

This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

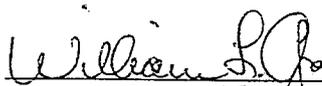
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

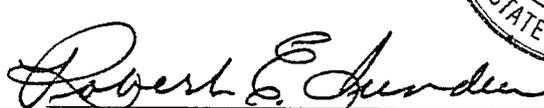
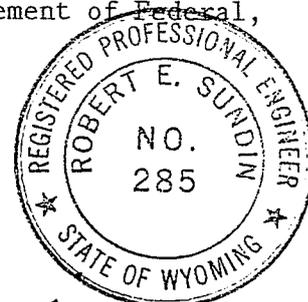
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
\_\_\_\_\_  
Adminisrator  
Water Quality Division  
P.E. # 1479  
STATE OF WYOMING  


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


August 19, 1985  
Date of Issuance

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

This permit authorizes you to dispose of 180,852 gallons of drilling fluid wastewater on the surrounding 2.2 acres, a total liquid application of 3 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-443

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-444  
 SEE CONDITIONS ATTACHED TO THIS PERMIT  
 MA 14542

Country Cash and Save Store  
 (Name of Facility)

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

June Schlenker

P.O. Box 216

Burlington, WY 82411

to construct, install, or modify a network of two groundwater monitor wells facility according to the procedures and conditions of the application No. 85-444. The facility is located in Section 29, T52N, R96W in the County of Big Horn, 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.

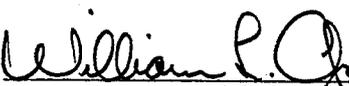
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

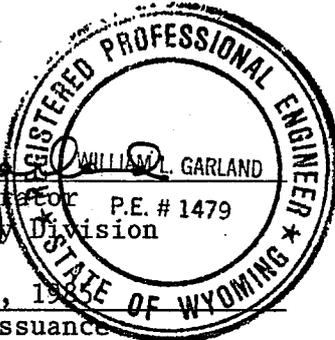
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Section,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

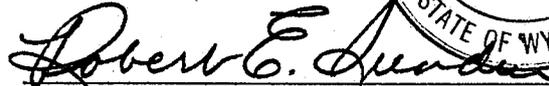
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
\_\_\_\_\_  
Administ~~r~~ator P.E. # 1479  
Water Quality Division  
August 20, 1985  
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 CONSTRUCTION #85-444

1. The applicant is authorized to construct and install groundwater monitor wells associated with the Country Cash and Save Store gasoline contamination, as indicated in the application.
2. The monitor wells will be located and constructed as specified in application 85-444. Construction shall meet the minimum standards as specified in Chapter XI, Part G of Wyoming's Water Quality Rules and Regulations.
3. Any additional monitor wells will require an additional permit to construct.
4. Maintenance of the monitor wells will be the responsibility of the owner of the Country Cash and Save Store. Improperly constructed or damaged wells shall be renovated to meet the minimum standards as specified in Chapter XI, Part G of Wyoming's Water Quality Rules and Regulations.
5. Upon completion of the monitor wells, a map will be provided to the Department of Environmental Quality, Water Quality Division, showing the location of those wells in relationship to the Country Cash and Save Store, the underground gasoline tanks, the existing monitor well, Mr. Anderson's residence, and Mr. Anderson's wells.
6. Also upon completion, the tops of the casings need to be surveyed, including the monitor well installed by the Highway Department and the results sent to the Department of Environmental Quality, Water Quality Division.

4-22

PERMIT TO CONSTRUCT

New - CORRECTED

Renewal

Modified

Permit No. 85-445  
SEE CONDITIONS ATTACHED

MA 14542

North Fork Field Tank Battery  
(Name of Facility)

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

Amoco Production Company

P.O. Box 2520

Casper, WY 82602

to construct, install, or modify a waste oil road dust control facility according to the procedures and conditions of the application No. 85-445. The facility is located in SW1/4 Section 19, T44N, R81W in the County of Johnson and Natrona, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

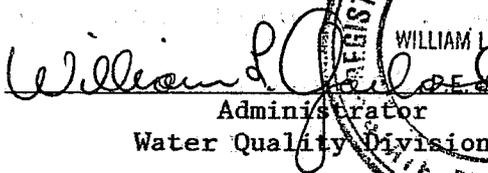
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

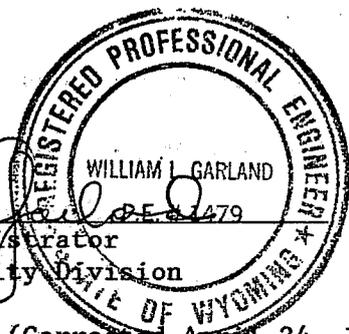
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

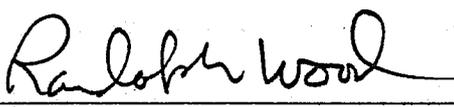
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Dept. of Environmental Quality

September 26, 1985 (Corrected April 24, 1986)  
Date of Issuance

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

This permit authorizes you to dispose of 73,500 gallons of waste oil on the surrounding 1.75 miles of roads, comprising 4.25 acres, a total liquid application of 0.64 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-445

1. Waste oil shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Waste oil application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. Waste oils will be incorporated into the road.
5. The permittee will contact the Department of Environmental Quality Engineer in Sheridan (672-6457) to arrange a field inspection of activities before the first disposal is accomplished.

PERMIT TO CONSTRUCT

New - CORRECTED

Renewal

Modified

Permit No. 85-445  
SEE CONDITIONS ATTACHED

North Fork Field Tank Battery  
(Name of Facility)

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

Amoco Production Company

P.O. Box 2520

Casper, WY 82602

to construct, install, or modify a waste oil road dust control facility according to the procedures and conditions of the application No. 85-445. The facility is located in SW1/4 Section 19, T44N, R81W in the County of Johnson and Natrona, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

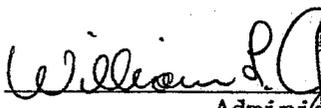
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

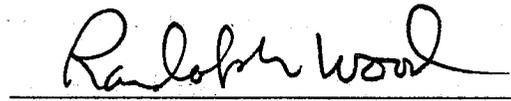
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
PE 4479  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Administrator  
Water Quality Division

  
Director  
Dept. of Environmental Quality

September 26, 1985 (Corrected April 24, 1986)  
Date of Issuance

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

This permit authorizes you to dispose of 73,500 gallons of waste oil on the surrounding 1.75 miles of roads, comprising 4.25 acres, a total liquid application of 0.64 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-445

1. Waste oil shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Waste oil application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. Waste oils will be incorporated into the road.
5. The permittee will contact the Department of Environmental Quality Engineer in Sheridan (672-6457) to arrange a field inspection of activities before the first disposal is accomplished.

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 85-445  
SEE CONDITIONS ATTACHED

North Fork Field Tank Battery  
(Name of Facility)

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

Amoco Production Company

P.O. Box 2520

Casper, WY 82602

to construct, install, or modify a waste oil road dust control facility according to the procedures and conditions of the application No. 85-445. The facility is located in SW1/4 Section 19, T44N, R81W in the County of Johnson, in the State of Wyoming.

This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

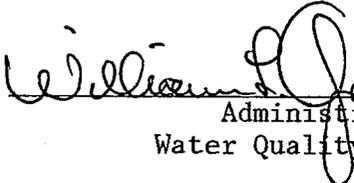
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

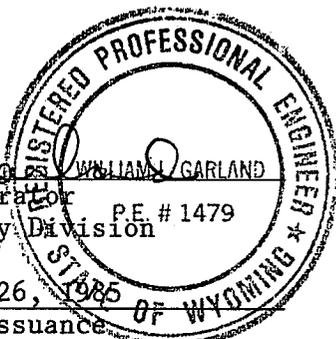
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

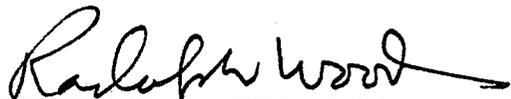
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

  
Administrator  
Water Quality Division  
PE # 1479  
September 26, 1985  
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 73,500 gallons of waste oil on the surrounding 1.75 miles of roads, comprising 4.25 acres, a total liquid application of 0.64 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-445

1. Waste oil shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Waste oil application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. Waste oils will be incorporated into the road.



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.

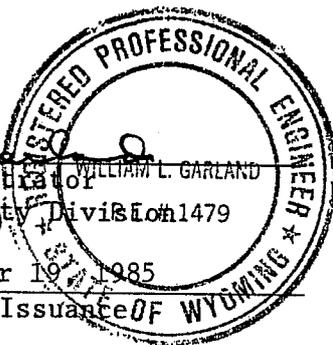
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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. Chief of  
Water Quality Division  
September 19, 1985  
Date of Issuance



  
Director  
Dept. of Environmental Quality

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

CONDITION

The applicant will abandon the existing polishing pond by disposing of its wastewater and sludge in a manner acceptable to the Water Quality Division. The Sheridan DEQ/WQD office can be contacted for a determination on acceptable disposal methods.

xc: Baccari & Associates  
P.O. Box 6208  
Sheridan, WY 82801

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 601  
SHERIDAN, WYOMING 82801

PROJECT: Bear Lodge Wastewater System Modification

ARCHITECT OR ENGINEER: Larry D. Baccari  
Professional Engineer  
319 West Dow  
Sheridan, Wyoming 82801

WATER QUALITY DIVISION  
REFERENCE NUMBER: 85-446

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: August 21, 1985

ACTION: Not Authorized

COMMENTS:

- 1.) A drawing or description of an insulated cover for the septic tank (old aeration tank) should be submitted. The purpose of the cover is to minimize the possibility of freezing, reduce odors from the tank, and prevent access to a potentially hazardous atmosphere in the space over the tank. The cover should meet the requirements of Chapter XI for access and pumpouts. The dimensions, configuration, and inlet and outlet of the tank should also be shown to verify its agreement with Chapter XI.
- 2.) A standard detail drawing has been inserted in the submittal for the new septic tank. Please note that Schedule 40 PVC or cast iron inlet and outlet pipes must be used from the tank to undisturbed soil.
- 3.) Leach field pipes should preferably be laid level but in no case will have a slope greater than 3" in 100 feet. Some of the pipes exceed this slope.
- 4.) Where the gravel in the trenches will be above the level of the native soil, the native soil at the interface with the fill soil should be scarified to create a fairly homogeneous seam.
- 5.) The Permit to Construct will contain conditions for the acceptable disposal of the finishing pond's wastewater and sludge and the pond's reclamation.



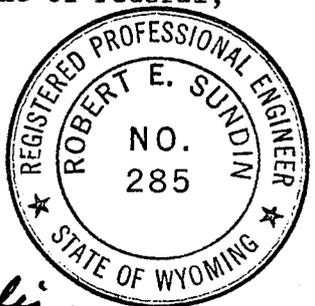
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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*  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
August 19, \_\_\_\_\_  
Date of Issuance

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

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

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

This permit authorizes you to dispose of 4,000 barrels of drilling fluid wastewater on the Bitter Creek Road construction project, comprising approximately 12 acres (5 - 6 mile length), a total liquid application of 0.004 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-447

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. The water applied to Bitter Creek Road shall be thoroughly mixed with the road material such that a uniform application is achieved.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.



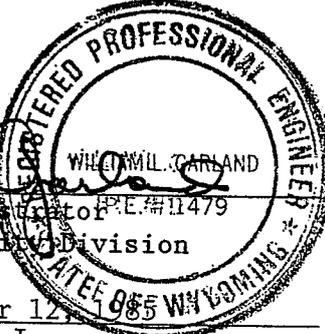
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:

  
William L. Garland  
Administrator P.E.#11479  
Water Quality Division  
September 12, 1985  
Date of Issuance

Rudolph Wood

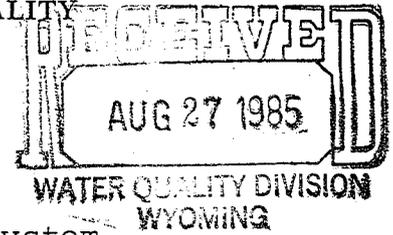
Director  
Dept. of Environmental Quality

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Urie Annexation Sewage Collection System

ENGINEER: Kenneth J. Walker  
Uinta Engineering & Surveying, Inc.  
P.O. Box 746  
Evanston, WY 82930

OWNER: Town of Lyman  
P.O. Box 300  
Lyman, WY 82937

WATER QUALITY DIVISION REFERENCE NUMBER: 85-448

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: August 23, 1985

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans and specifications has been completed. The following items must be addressed before a permit to construct will be issued:

1. The application for permit to construct must be signed by the owner/applicant.
2. A letter is required from the Town of Lyman stating that the existing wastewater treatment facility has adequate capacity to handle the increased flows from this annexation and that the Town agrees to accept this collection system once construction is complete.
3. Both the plans and specifications must bear the stamp and/or signature of a Professional Engineer.
4. Horizontal and vertical separation distances between water and sewer lines are to be dimensioned on the plans and profiles. Particular attention must be paid to waterline crossings. Please refer to the Water Quality Rules and Regulations, Chapter XI, Part B, Section 9f.
5. Sheet 7 has a conflict in the size of the sewerline called out on the plan and profile. The plan has the line labelled 8" diameter and the profile has it labelled 10" diameter. Please clarify.

*AB*

Review of Plans & Specs.

Ref. No. 85-448

Page Two

6. Several places on the plans call for a 10" diameter sewer to flow into an 8" diameter sewer. This is contrary to standard engineering practices and Chapter XI of the Rules and Regulations. Please address this issue in your response.

7. Please identify the size and minimum slope of the line this system is tying into that carries the flow from Urie to Lyman.

8. All service connections should be made with a wye or tee for new construction and a tapping saddle for connection to an existing collection line.

9. Special Provision SP-9.01 : Sewer Main states that payment per foot shall include trenching, pipe, bedding, backfill, surface restoration and cleanup. There is no mention of pipe testing and there is no bid item. Please verify that pipe will be subjected to leakage and deflection tests in accordance with Water Quality Rules and Regulations.

10. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw



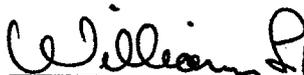
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

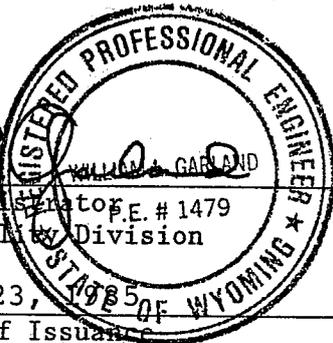
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

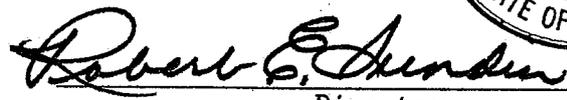
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

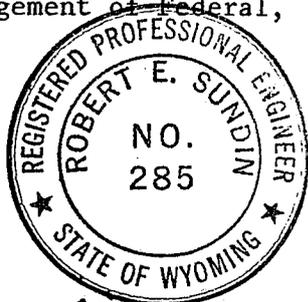
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Adminisrator, E. # 1479  
Water Quality Division  
August 23, 1985  
Date of Issuance



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



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

\* CONDITION ON PERMIT \*

1. This facility shall not be operated in such a manner as to allow any aerosal spray produced by the aerators to leave the immediate site.

8/28

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 85-450

\* CONDITION ON PERMIT \*

*MA 14542*

Thompson Evaporation Pond Modification  
(Name of Facility)

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

Exxon Company, USA  
P.O. Box 1600  
Midland, TX 79702

to construct, install, or modify a install four (4) aerators in existing  
waste drilling fluid evaporation pond

facility according to the procedures and conditions of the

application No. 85-450. The facility is located in

Sec. 1, T29N, R114W

in the County of Sublette,

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

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

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

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

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

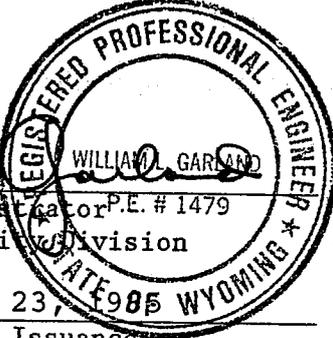
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

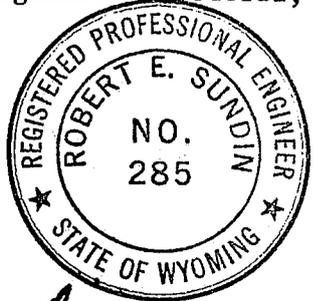
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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 D. GARLAND" and "P.E. # 1479".  
William D. Garland  
Administrator P.E. # 1479  
Water Quality Division  
August 23, 1985  
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.

\* CONDITION ON PERMIT \*

1. This facility shall not be operated in such a manner as to allow any aerosol spray produced by the aerators to leave the immediate site.