

R.F

PERMIT TO CONSTRUCT

PERMIT NO. 87-251  
SEE SPECIAL CONDITIONS

- New
- Renewal
- Modified

TETON SHADOWS HOMEOWNERS ASSOCIATION

This permit hereby authorizes the applicant:

Kenneth E. Eklof  
Box 2150  
Jackson, Wyoming 83001

to construct, install or modify a monitor well according to the procedures and conditions of the application number 87-251. The facility is located in NE $\frac{1}{4}$ , SW $\frac{1}{4}$ , S27, T42N, R116W in the county of Teton, in the State of Wyoming. This permit shall be effective for a period of 2 years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

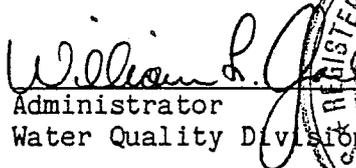
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

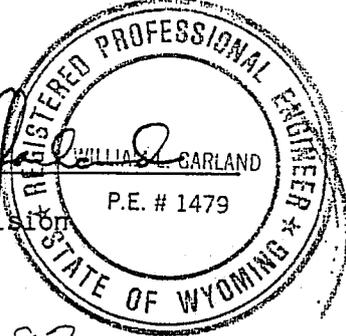
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

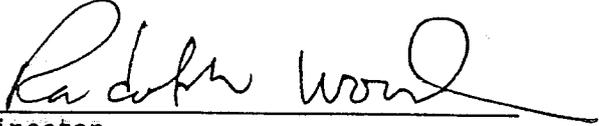
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

8-5-87  
Date of Issuance

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

Conditions for Permit to Construct 87-251

1. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. Once the monitor 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 locations. If the construction specifications were not included in the application or changes were made, they should be included in the report.
3. The results of any analyses conducted on soil or water removed from these wells shall be provided to the department as soon as they are available.
4. All monitor wells and soil borings will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. Drilling shall commence on or before the 30th of September 1987.
7. Caps shall be kept locked at all times other than sampling. Any tampering with the monitor wells shall be reported immediately to the division.
8. Quarterly sampling shall begin in September with the first quarterly analyses results due by the last day of October 1987. Initially background shall be established by sampling for a full set of the Chapter VIII parameters, page 9 and static water level excluding the radiometric parameters for 4 full quarters. Upon completion of establishment of background the DEQ/WQD shall

Conditions to Permit 87-251 (continued)

establish a list of operational parameters. Until or unless the DEQ/WQD establishes operational parameters the following list shall be used after background is established in September of 1988: TDS, Nitrate-N, Ammonia-N, chlorides, pH, and static water level. All quarterly samples are to be collected in March, June, September and December and are due in the Cheyenne office by the last day of the following month. It is recommended that samples be taken during the first week of the last month of each quarter to allow enough time for the laboratory, mailing and report drafting. All samples shall be collected properly utilizing the latest industry accepted practices. The quarter the sample has been collected for shall be clearly labeled. Any violations shall be noted in a report accompanying the laboratory data.

9. Drilling mud shall not be used as indicated in the permit as a final seal. A clean non contaminated freshly mixed bentonite slurry may be used, the seal shall not cover up the perforations and a minimum of 1 foot of sand shall extent above the top perforation.
10. The top perforation shall be located 1 to 2 feet above the seasonal high water table. If this is not known the perforation shall extent 3 to 5 feet above the water table as discovered at the date of drilling.
11. The bottom perforation shall extent no more than 15 feet below the top perforation.
12. Provisions shall be made for the development of all monitor wells prior to sampling until clean clear water is pumped with no fines.
13. DEQ/WQD personnel shall be given sufficient notice prior to the installation of the monitor wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
14. The requirement in Chapter XI, Part G, Section 65(a) is waived and a seal depth of less than 20 feet is allowed.
15. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
16. After the monitor well has been installed the drilling site shall be cleaned up and every effort made to return the site to its original state prior to drilling.
17. A copy of legal documents that allow Teton Shadows Homeowners Association personnel to access this site shall be provided to the DEQ/WQD as soon as possible.
18. Domestic well U.W. 15642 shall be sampled quarterly for TDS, Nitrate-N, Ammonia-N, chlorides, pH, and static water level quarterly and the results submitted with the reports from the monitor well. Please note that this is a slight change over past requirements and should provide better consistency.
19. This monitor well shall be clearly numbered and concrete sloping from the well shall be installed.

cc: Jake Strohman, DEQ/WQD, Cheyenne  
Steve Gerber, DEQ/WQD, Lander  
Mike Young, DEQ/WQD, Lander  
File

PERMIT TO CONSTRUCT

New

Permit No. 87-252

Renewal

SEE CONDITIONS

Modified

MONITOR WELLS FOR LITTLE GOOSE GAS SEEP INVESTIGATION  
(Name of Facility)

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

U. S. Environmental Protection Agency

999 18th Street

Denver, Colorado 80202

to construct, install, or modify monitor wells according to the procedures and conditions of the application No. 87-252. The facility is located in SW $\frac{1}{4}$  Section 35, T.56N., R.84W; NW $\frac{1}{4}$  Section 2, T.55N., R.84W., in the County of Sheridan, 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.

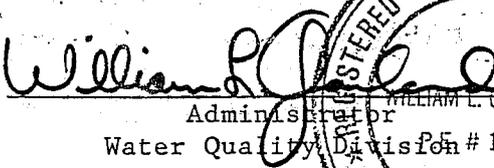
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 601, Sheridan, Wyoming 82801; telephone, 672-6457.

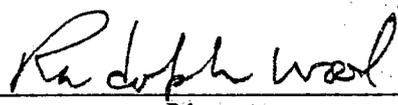
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AUTHORIZED BY:

  
\_\_\_\_\_  
Adminisrator  
Water Quality Division # 1479



  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-28-87  
\_\_\_\_\_  
Date of Issuance

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

CONDITIONS

1. Well logs, soil logs and well completion details shall be submitted to the DEQ/WQD within thirty (30) days of completion of installing monitor wells. A map showing the well locations shall also be included.
2. The Water Quality Division shall be notified thirty (30) days prior to plugging and abandonment of the monitor wells. Plugging and abandonment shall be in accordance with the requirements of Chapter XI, Wyoming Water Quality Rules and Regulations.

xc: Jake Strohman  
Chris Norman

PERMIT TO CONSTRUCT

PERMIT NO. 87-253  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

BARKER-EWING WHITEWATER PINE CREEK CAMPGROUND FACILITY

This permit hereby authorizes the applicant:

Barker-Ewing Whitewater, Inc.  
P O Box 3032  
Jackson, Wyoming 83001

to construct, install or modify toilet waste disposal seepage pit and grey water disposal seepage pit for season camosite according to the procedures and conditions of the application number 87-253. The facility is located in NE 1/4, Section 1, T37N, R117W in the county of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

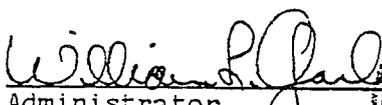
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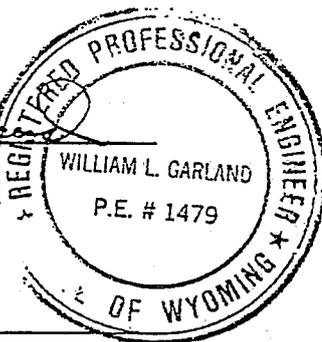
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

8.6-87

Date of Issuance

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

#### SPECIAL CONDITIONS FOR PERMIT 87-253

1. No hazardous or toxic waste as defined by State and Federal Regulations shall be disposed in this facility. Wastes, other than those described in the plans and specifications may not be disposed of in this facility unless prior approval has been obtained from this department.
2. If this facility fails for any reason, (i.e. contamination of waters or seepage surfacing downgradient) this department shall be notified immediately and remedial actions implemented.
3. All solids, grit and grease shall be disposed of properly in an approved landfill site.
4. The greywater disposal pit shall be moved at least once per season.
5. All cooking grease shall be collected and disposed of properly. Grease shall not be disposed of in the greywater disposal facility unless a grease trap is installed and is cleaned after each use.

cc: Robert T. Ablondi  
Jorgensen Engineering  
P O Box 1142  
Jackson, Wyoming 83001



THE STATE

OF WYOMING



# Department of Environmental Quality

Air Quality Division  
(307) 332-3144

Land Quality Division  
(307) 332-3047

Solid Waste Management Program  
(307) 332-3144

Water Quality Division  
(307) 332-3144

November 29, 1988

Harry J. Kessner  
Bennett-Carder & Assoc., Inc.  
P.O. Box 1324  
Rock Springs, WY 82901



RE: Purple Sage Subdivision, Ref. No. 87-254

Dear Mr. Kessner:

Due to the lack of response, your application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

William L. Garland  
Administrator  
Water Quality Division

WLG/BL/anc

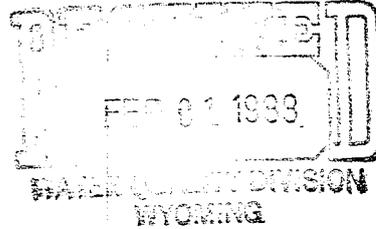
cc: ✓ Norma Coulson, DEQ/WQD, Cheyenne

Norma



THE STATE

OF WYOMING



# Department of Environmental Quality

Air Quality Division  
(307) 332-3144

Land Quality Division  
(307) 332-3047

Solid Waste Management Program  
(307) 332-3144

Water Quality Division  
(307) 332-3144

January 28, 1988

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

Dear Mr. Kessner:

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: Purple Sage Subdivision

DEQ/WQD Reference Number: 87-254

Engineering Consultant: Harry Kessner

DEQ/WQD Review Engineer: Bill Locke

Date of DEQ/WQD Review: 9-16-87

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.

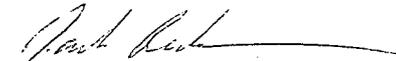
The application will be resubmitted within thirty (30) days.

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,



Jack Bedessem, P.E.  
Southwest District Supervisor

JB/jw

LAND APPLICATION PERMIT

Permit No. 87-255

Green River WWTP Land Application  
(Name of Facility)

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

City of Green River

50 E. Second North

Green River, WY 82935

to land apply approximately 480 cubic yards of municipal sludge each year for  
two years on 0.38 acres

The application site is located in NE $\frac{1}{4}$ , Sec. 16, T17N, R107W

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  
standards. The authority to land apply granted by this permit does not mean or  
imply that the Wyoming Department of Environmental Quality guarantees or ensures  
that the disposal method will meet applicable state requirements.

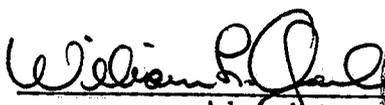
Nothing in this permit constitutes an endorsement of the disposal method described  
herein. This permit indicates only that standards required by the Environmental  
Quality Act have been met. The state assumes no liability for, and does not in  
any way guarantee the performance of, the permittee in 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 disposal  
method described herein. By the issuance of this permit, the state does not in  
any way waive its sovereign immunity.

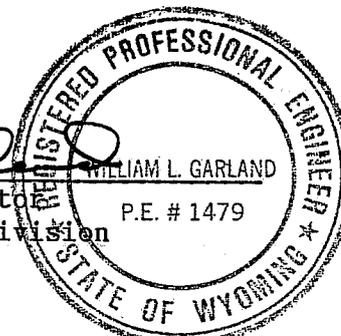
The permittee shall allow authorized representatives from the Department of  
Environmental Quality, Water Quality Division, upon the presentation of  
credentials and during working hours, to have access to inspect the application  
site at the above location, for the purpose of compliance with the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

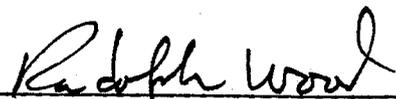
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division



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

11-5-87  
Date of Issuance

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

CONDITIONS ON PERMIT

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 percent for vehicular application or 15 percent 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. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 210 Lincoln St., Lander, Wyoming, 82520, phone number 332-3144, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest  $\frac{1}{4}$  section) and time of application.

PERMIT TO CONSTRUCT

New

Permit No. 87-256RR

Renewal

Modified

CABALLO ROJO MINE INTERCEPTOR POND NO. 2  
(Name of Facility)

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

Mobil Coal Producing, Inc.

P. O. Box 3021

Gillette, Wyoming 82716

to construct, install, or modify a sedimentation facility according to the procedures and conditions of the application No. 87-256RR. The facility is located in Section 3, T.47N., R.71W., in the County of Campbell, in the State of Wyoming.

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

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

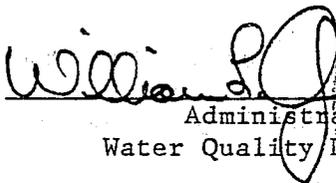
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 501, Sheridan, Wyoming 82801; telephone, 672-6457.

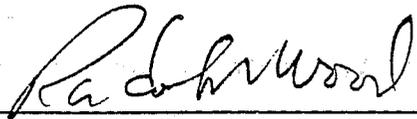
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division RE. # 1479



  
\_\_\_\_\_  
Director  
Department of Environmental Quality

1-13-88

Date of Issuance

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

xc: Bradley A. Anderson  
Lidstone & Anderson  
2190 W. Drake Road #142  
Ft. Collins, Colorado 80526

THE STATE



OF WYOMING



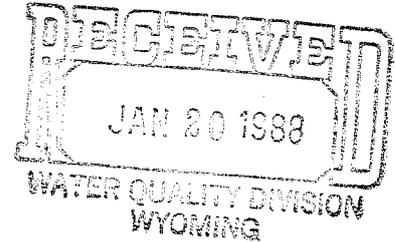
## Department of Environmental Quality

Air Quality Division  
(307) 672-6457

Water Quality Division  
(307) 672-6457

January 7, 1988

Mr. Tom Charles  
Caballo Rojo Mine  
Box 3021  
Gillette, Wyoming 82716



RE: Sedimentation Facilities, Caballo Rojo Mine  
Interceptor Pond No. 3, 87-257RR ✓  
Interceptor Pond No. 4, 87-258RR ✓  
Interceptor Pond No. 5, 87-259RR ✓  
Interceptor Pond No. 6, 87-260RR ✓  
Interceptor Pond No. 7, 87-261RR ✓  
Interceptor Pond No. 8, 87-262RR ✓  
Sediment Pond No. 26, 87-264RR ✓  
Sediment Pond No. 27, 87-265RR ✓

Dear Tom:

The Water Quality Division has completed its review of the sedimentation facilities itemized above and determined that they meet the minimum State of Wyoming standards. These facilities have already been constructed; therefore, a Permit to Construct can not be issued. This letter serves as your formal as-built approval for the referenced ponds.

Interceptor Pond No. 2 and Sediment Pond No. 24 were issued actual permits that are attached with this package.

Please let me know if you have any questions.

Sincerely,

*Susan Fields*  
Susan Fields  
Northeast District Supervisor  
Water Quality Division

SF:jj

xc: Norma Coulson, DEQ, Cheyenne

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 87-263RR

CABALLO ROJO MINE SEDIMENT POND NO. 24  
(Name of Facility)

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

Mobil Coal Producing, Inc.

P. O. Box 3021

Gillette, Wyoming 82716

to construct, install, or modify a sedimentation facility according to the procedures and conditions of the application No. 87-263RR. The facility is located in Section 3, T.47N., R.71W., in the County of Campbell, in the State of Wyoming.

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

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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.

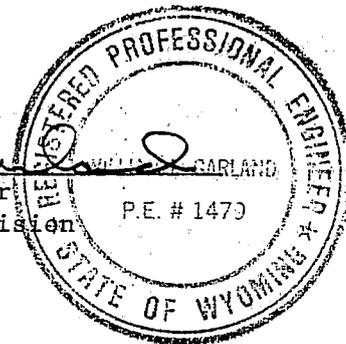
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 501, 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 S. Jensen*  
\_\_\_\_\_  
Administrator  
Water Quality Division



*Rudolph Wood*  
\_\_\_\_\_  
Director  
Department of Environmental Quality

1-13-88

Date of Issuance

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

xc: Bradley A. Anderson  
Lidstone & Anderson  
2190 W. Drake Road #142  
Ft. Collins, Colorado 80526

Normal



THE STATE

OF WYOMING



# Department of Environmental Quality

Air Quality Division  
(307) 672-6457

Water Quality Division  
(307) 672-6457

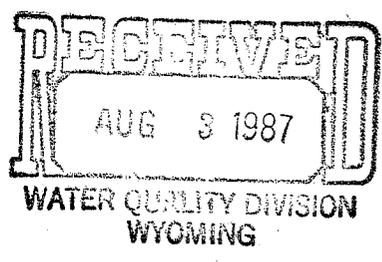
MEMORANDUM

TO: Greg Smith, LQD, Cheyenne  
Tom Charles, Caballo Rojo Mine  
Review File, 87-256 through 87-265

FROM: <sup>sf</sup> Susan Fields, WQD NE District Supervisor

DATE: July 31, 1987

SUBJECT: WQD review of Caballo Rojo applications for sediment and flood control facilities



Enclosed are my comments for subject review. By copy of this memo, I have taken the liberty of forwarding my comments to mine personnel also. I know they are anxious to expedite the permitting process and hopefully this will provide some assistance.

I apologize for not completing this review in a more timely manner. Hopefully, my work load will allow for a more speedy review of Mobil's response.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
Water Quality Division  
2161 Coffeen Avenue, Suite 501  
Sheridan, Wyoming 82801

PROJECT: Mobil Coal Producing, Inc.  
Caballo Rojo Mine  
Sedimentation Facilities

WATER QUALITY DIVISION  
REFERENCE NUMBER:

87-256 through 87-265

REVIEWING ENGINEER:

st Susan Fields

DATE OF REVIEW:

July 31, 1987

ACTION:

Not authorized

COMMENTS:

The following comments apply to all facilities constructed with a dam, i.e. Sediment Ponds 24 and 26 and Interceptor Ponds 4, 6, 7 and 8:

- 1) The plans do not show the location of the outlet works within the length of the dam. The location should be shown on the plan view.
- 2) The plans show the outlet piping ending flush with the downstream face of the dam. A typical extension dimension should be shown.
- 3) The plans do not show that embankments will be keyed into existing soils. Are keyways planned and/or necessary?

The following comments are for specific facilities:

Sediment Pond 24: The permit application indicates this facility will be permitted as an NPDES point; therefore, capabilities for flow measurement must be provided. Special design consideration must also be given to provide access to the discharge point for sampling purposes.

Sediment Pond 26: The previous comment for Sediment Pond 25 regarding being an NPDES discharge point also appears to apply here. Why is 1.5 acre-feet allocated for pit water? The text states pit water is calculated at 500,000 gallons per day and 36 hours of detention. I figure the necessary storage is, therefore, 2.3 acre-feet.

Interceptor Pond 2: Isn't a curve number of 82.6 low for a 90% disturbance area? Also, why is the drainage area to Interceptor Pond 8 included in this pond's design?

Interceptor Pond 3: Why does the drainage area include area above Interceptor Pond 7, but not Interceptor Pond 6?

Interceptor Pond 5: I calculate the drainage area identified on the accompanying map at about 0.46 square miles. The design states the area at 0.75 square miles. Is there drainage entering the area that is not shown?

PERMIT TO CONSTRUCT

PERMIT NO. 87-266

X New  
Renewal  
Modified

Minuteman Mart

This permit hereby authorizes the applicant:

Panhandle Drilling and Testing  
Route 2, Box 118  
Scottsbluff, NE 79361

to construct, install or modify groundwater monitoring well network according to the procedures and conditions of the application number 87-266. The facility is located in S10, T24N, R61W in the county of Goshen, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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 ensures 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.

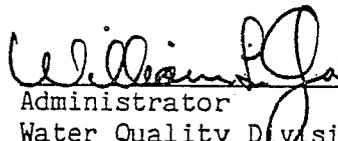
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

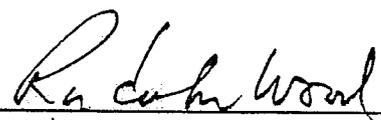
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

August 27, 1987  
Date of Issuance

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

Conditions to Permit to Construct # 87-266R

1. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in permit to construct application number 87-266.
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However, a sufficient seal must be installed according to normal engineering practice.
3. In addition to the well construction information submitted with the permit application, the following items relating to well construction must be addressed when the wells are installed:
  - A. A 2.5 foot length of perforated pipe may not be long enough to allow these wells to be used as year round monitoring points. Seasonal groundwater fluctuations may move the water table above or below the perforations. In this case, free product on the water table would not enter the well. A longer length of perforated pipe is strongly recommended;
  - B. After the bentonite has been placed in the annular space, it should be hydrated to ensure a proper seal.
4. If any monitoring wells are abandoned, it shall be in accordance with procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 87-267RR

Airport Well #3 Well House and Pump Installation  
(Name of Facility)

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

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

~~to construct~~ install ~~to modify~~ a pump in well and construct piping to existing  
distribution system and well house

facility according to the procedures and conditions of the  
application No. 87-267RR. The facility is located in

Sec. 13, T1N, R3E, WRM  
in the County of Fremont,

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-

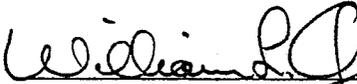
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

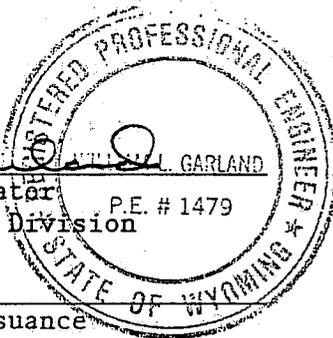
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

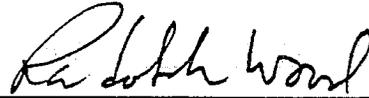
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
P.E. # 1479  
9-24-87  
\_\_\_\_\_  
Date of Issuance





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

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



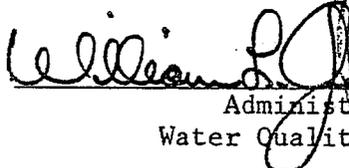
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

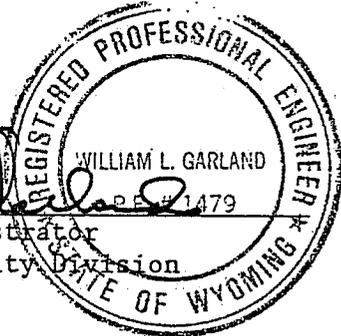
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

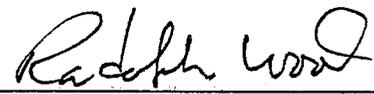
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
8-18-87  
Date of Issuance



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

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

LAND APPLICATION PERMIT

Permit No. 87-270

\* CONDITIONS ON PERMIT \*

Exxon Shute Creek Road Application  
(Name of Facility)

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

Exxon Company, USA

P.O. Box 81

Frontier, WY 83121-0081

to land apply maximum of 500,000 gallons of wastewater from the evaporation  
ponds for road construction purposes.

The application site is located in T22N, R112W; T23N, R111W

in the County of Lincoln/Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 90 days ~~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 standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

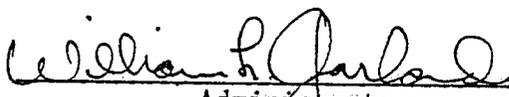
Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the 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 disposal method described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

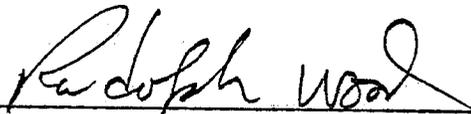
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions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

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

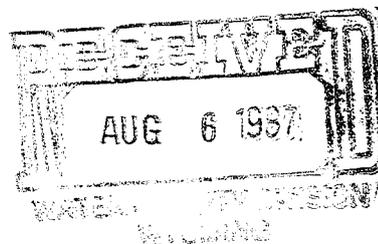
8-11-87  
\_\_\_\_\_  
Date of Issuance

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

CONDITIONS ON PERMIT

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 percent for vehicular application or 15 percent 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. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 210 Lincoln Street, Lander, Wyoming, 82520, phone number 307-332-3144, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest  $\frac{1}{4}$  section) and time of application.
5. The Department of Environmental Quality/Water Quality Division policy limits the total salt loading for road application to 1.4 lb/yd<sup>2</sup>. Therefore, no area shall receive an application of wastewater totalling more than 4 inches, based on the representative chemical analysis.

MEMORANDUM



TO: Larry Robinson  
FROM: Jack Bedessem *JB*  
SUBJECT: Application of Exxon Shute Creek Evaporation Pond Water for Road Construction/Paving Preparation, 87-270  
DATED: August 3, 1987

On July 24, 1987 this department received an application for permit to road apply 500,000 gallons of waste water from the Exxon Shute Creek Gas Plant evaporation ponds. The cover letter indicates that the wastewater will be applied for compaction of the gravel base in preparation for paving.

The road construction project is located in Lincoln and Sweetwater Counties, directly east and west of the plant site. Drainages in the area are tributaries of the Green River and therefore subject to the Colorado Salinity Control Rules and Regulations, Chapter VI.

It has been the DEQ/WQD policy to prohibit the application of saline wastewater on land/roads within the Green River drainage basin. Refer to policy and procedures memorandum dated October 17, 1986. However, it is recommended that this permit be authorized for the following reasons:

1. A similar "Land Application Permit" (87-177) was issued to Pacific Power and Light on May 29, 1987. This permit authorized the use of 18 million gallons of a poorer quality (saline type) wastewater for road construction near Point of Rocks, Wyoming. Drainages in this area also flow to the Green River.
2. The application included the results of chemical analyses performed on the evaporation pond water. The critical parameters are: sodium 570 mg/l, EC 2400 umhos, TDS 1830 mg/l, SAR 19.65, pH 8.62. All parameters are within the limits for disposal of limited volumes wastewater, Chapter XI, Section 55(c)(ii).
3. The wastewater is to be used for compaction of a gravel road base. The base is being prepared for a cover of asphalt type pavement. The pavement will reduce the potential for saline runoff to enter a live drainage.
4. Conditions will be placed on the permit which minimize the threat for impacting waters of the State. DEQ/WQD policy limits the total annual salt loading for road application to 1.4 lb/yd<sup>2</sup>. Therefore, no area shall receive an application of more than 8 inches.

Please contact me if you have any questions.

JB/jw

*Larry,  
Route the permit  
for signatures if  
acceptable. JB*

PERMIT TO CONSTRUCT

PERMIT NO. 87-271  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

Lynn's Quick Stop

This permit hereby authorizes the applicant:

Lynn Elwood  
Lynn's Service, Inc.  
Lynn's Quick Stop Sinclair Station  
255 South Douglas  
Powell, WY 82435

to construct, install or modify a network of 7 to 10 monitor wells according to the procedures and conditions of the application number 87-271. The facility is located in SW SE S13, T55N, R99W in the county of Park, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

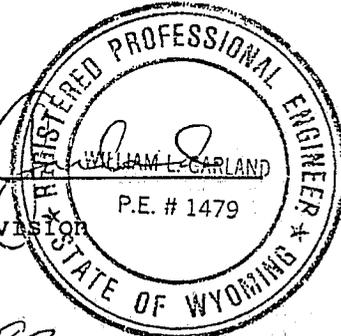
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

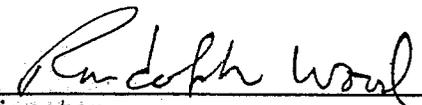
Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
William L. Garland  
Administrator  
Water Quality Division  
P.E. # 1479

  
Director  
Department of Environmental Quality

8-5-87  
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #87-271

1. Additional wells and soil borings meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. Within 30 days after the monitor wells have been completed, the owner shall provide the Wyoming Department of Environmental Quality, Water Quality Division with a report that details the logs and locations. If the construction specifications were not included in the application or changes were made, they should be included in the report.
3. The results of any analyses conducted on soil or water removed from these wells shall be provided to the department within 15 days of when they become available.
4. All monitor wells and soil borings will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. The time schedule for plan implementation as submitted in the July 24, 1987 proposal shall be adhered to. Drilling shall commence on or before 30 days after issuance of this permit.
7. Caps shall be kept locked at all times other than sampling. Any tampering with the monitor wells shall be reported immediately to the division.

Conditions to Permit 87-271 (continued)

8. The entire extent of contamination will be defined including hydrocarbon product layers and dissolved constituents.
9. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required.
10. Provisions shall be made for the development of all monitor wells prior to sampling.
11. Department of Environmental Quality, Water Quality Division personnel shall be given sufficient notice prior to the installation of the monitor wells and sample collection so that Department of Environmental Quality, Water Quality Division personnel may be on-site if deemed necessary.
12. A reasonable time frame for the submittal of a hydrocarbon recovery system and/or dissolved hydrocarbon recovery system application for a permit to construct should be provided to the department as soon as possible. Cleanup shall be implemented in a timely and diligent manner.
13. The requirement in Chapter XI, Part G, Section 65(a) is waived and a seal depth of less than 20 feet is allowed.
14. All monitor wells shall be installed a minimum of 20 feet deep and slotted from the bottom of the hole to 1-2 feet above the highest expected groundwater table.
15. All soil borings shall be completed to a minimum depth of 20 feet.
16. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
17. All monitor wells associated with this facility including the three Department of Environmental Quality wells shall be sampled and the wastewater analyzed quarterly for benzene, ethylbenzene, toluene, xylene and lead until other monitoring operations are allowed by the Department of Environmental Quality, Water Quality Division. When product layers exist they are to be measured and the above parameters need not be sampled for. The results of these analyses are due in the Cheyenne office by the last day of the month following the end of each quarter in January, April, July, and October. Samples should be collected during the first week of the last month of each quarter to ensure timely submittal. The first set of quarterly results are due by the last day of October 1987.

cc: Eric Nolan, Delta Environmental Consultants, Inc., 19 Old Town Square,  
Suite 238, Ft. Collins, CO 80524  
Craig Kautz, Federal Insurance Co., 129 E. Broadway, Owatonna, MN 55060  
Jake Strohman, DEQ/WQD, Cheyenne  
Mike Young, DEQ/WQD, Lander  
Matt Langenfeld, DEQ/WQD, Cheyenne

LAND APPLICATION PERMIT

Permit No. 87-272  
SEE SPECIAL CONDITIONS

SUSSEX FIELD DUST CONTROL  
(Name of Facility)

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

Conoco, Inc.

907 N. Poplar

Casper, Wyoming 82601

to land apply waste oil to roads for dust control. The application site is located in Section 16, T.42N., R.78W., in the County of Johnson, in the State of Wyoming.

This permit shall be effective for a period of six (6) months 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 standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards 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 disposal method 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 application site at the above location, for the purpose of compliance with the provisions of this permit.

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 regulations.

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



Ralph Wool  
Director  
Department of Environmental Quality

8-11-87

Date of Issuance

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

LAND APPLICATION STANDARD CONDITION

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 percent for vehicular application or 15 percent for spray irrigation or irrigation by gated pipe on the contour.
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. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Susan Fields, 2161 Coffeen Avenue, Suite 501, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Engineer should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil and sludges applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied during the period from November 1 to April 30.

R.F.

PERMIT TO CONSTRUCT

PERMIT NO. 87-273  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

Phillips Bulk Plant Recovery System

This permit hereby authorizes the applicant:

Harold Aagard  
420 Culbertson Avenue  
Worland, WY 82401

to construct, install or modify a recovery well to pump hydrocarbon product and contaminated groundwater from the subsurface according to the procedures and conditions of the application number 87-273. The facility is located in SE NE S25, T47N, R93W in the county of Washakie, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

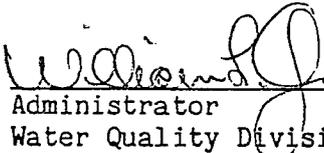
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

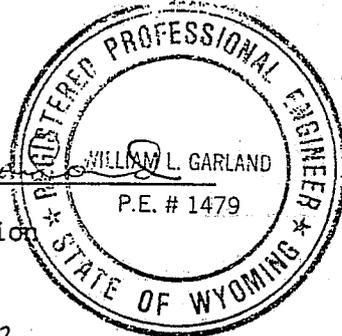
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

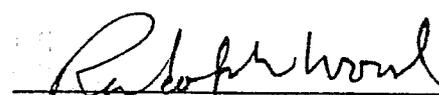
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

8-5-87

Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #87-273

The permit is issued with the requirement that the permittee abide by the following conditions:

1. Once the hydrocarbon recovery system has been installed, the owner will provide the Department of Environmental Quality, Water Quality Division with a report that details the logs.
2. The results of any analyses conducted on soil or water removed from this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
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.
5. The issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination study and any future remedial actions which may be required.
6. The permittee shall notify the Department of Environmental Quality, Water Quality Division five days prior to the exact dates of drilling and installation.
7. The permittee shall notify the division of the name, phone number and address of the on-site operator of the recovery system.
8. The permittee shall operate the recovery system continuously unless Department of Environmental Quality, Water Quality Division allows other operational

Conditions to Permit 87-273 (continued)

plans. The division shall be notified immediately in the event that the hydrocarbon recovery system is not operational for more than 24 hours.

9. Prior to operation of the hydrocarbon recovery system, an approved Operation and Maintenance Manual shall be provided to the division and to all operators. The O & M Manual shall contain, at a minimum, a schematic, operations guide, maintenance schedule, troubleshooting guide, discharge requirements and limitations, Department of Environmental Quality contact, provisions in the event of a spill, methods for handling and disposing of hydrocarbon product and contaminated water in a proper manner, and safety requirements.
10. The hydrocarbon recovery system shall be "winterized" to prevent freeze-up and breakdown.
11. A status report shall be provided to the division on a quarterly basis with reports due by the last day of January, April, July and October. The report shall include at a minimum, volumes pumped of water and hydrocarbon product, downtime and dates, effectiveness of the recovery system, monitoring data for all monitor wells and the recovery well current pumping rate and radius of influence. Monitor wells #P-1, P-2, P-4, P-5, 7, 9, 14, 12, 23 and 29 shall be sampled quarterly for benzene, ethylbenzene, toluene and xylene (betx) and product layers. If product layers exist, samples need not be taken for betx. All reports are due within 30 days of the end of each quarter.
12. In the event the system does not operate as planned or effectively recover the gasoline product layer, provisions shall be made for correcting the deficiencies. In any event, the hydrocarbon product and related dissolved constituents shall be recovered and cleaned up in a timely and diligent manner until released by Department of Environmental Quality, Water Quality Division.
13. This hydrocarbon recovery system shall be installed and made operational by the last day of September 1987.
14. The domestic wells in Block 9 Lots 7 and 8 shall be sampled for betx if accessible and any product layers and static water level measured.
15. The NPDES section shall be contacted and all letters of approval or permits required obtained prior to release of wastewater to the storm sewer and the Big Horn River.

cc: Eric Nolan, Delta Environmental Consultants, Inc., 19 Old Town Square,  
Suite 238, Ft. Collins, CO 80524  
Craig Kautz, Federated Insurance Co., 129 E. Broadway, Owatonna, MN 55060  
Jake Strohman, DEQ/WQD, Cheyenne  
Steve Gerber, DEQ/WQD, Lander  
Matt Langenfeld, DEQ/WQD, Cheyenne

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-274  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

SEMINOE MINE NO. 2 - POND 16-79-1A

This permit hereby authorizes the applicant:

Arch of Wyoming, Inc.  
P. O. Box 460  
Hanna, Wyoming 82327

to construct, install or modify a sedimentation pond according to the procedures and conditions of the application number 87-274. The facility is located in SW $\frac{1}{4}$ , NW $\frac{1}{4}$ , Section 16, T23N, R81W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*R. John Wood*  
Director  
Department of Environmental Quality

8-17-87

Date of Issuance

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

Special Conditions for Permit to Construct 87-274

1. A staff gauge must be installed in the pond identifying maximum sediment depth, minimum water depth to which the pond must be pumped, and maximum water level.
2. The facility must maintain the capability to empty the pond within the time period identified in the NPDES permit.

LAND APPLICATION PERMIT

Permit No. 87-275  
SEE SPECIAL CONDITIONS

ELK CREEK ROAD DUST CONTROL  
(Name of Facility)

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

Odekoven Water & Hot Oil Service

481 Recluse Road

Recluse, Wyoming 82715

to land apply produced water to a one (1) mile section of Elk Creek Road for dust control. The application site is located in Sections 32 & 33, T.56N., R.73W. in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of six (6) months 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 standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards 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 disposal method described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

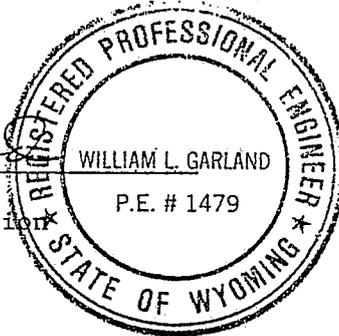
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions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

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 regulations.

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



*Rudolph Wood*  
Director  
Department of Environmental Quality

8-6-87

Date of Issuance

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

LAND APPLICATION STANDARD CONDITION

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 percent for vehicular application or 15 percent for spray irrigation or irrigation by gated pipe on the contour.
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. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Susan Fields, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Engineer should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.

PERMIT TO CONSTRUCT

PERMIT NO. 87-276

X New  
Renewal  
Modified

Days Inn Motel

This permit hereby authorizes the applicant:

Cheyenne Board of Public  
2100 Pioneer Avenue  
Cheyenne, WY 82001

to construct, install or modify municipal water distribution and wastewater collection according to the procedures and conditions of the application number 87-276. The facility is located in SW $\frac{1}{4}$ , S1, T13N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

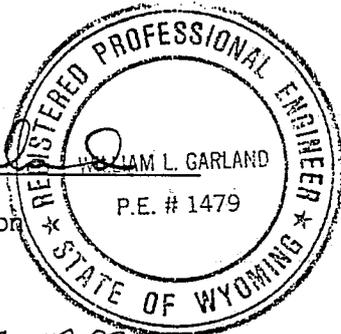
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

*William L. Garland*  
Administrator  
Water Quality Division



*R. L. Wood*  
Director  
Department of Environmental Quality

August 27, 1987  
Date of Issuance

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



THE STATE OF WYOMING

MIKE SULLIVAN  
GOVERNOR



## Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781

September 23, 1988

Jack L. Noblitt  
Jack Noblitt & Associates  
1920 Thomes Avenue, Suite 620  
Cheyenne, Wyoming 82001

Re: Approval of O & M Manual for the Sewage Facilities of Dixon Brothers Rental, Application Number 87-277

Dear Mr. Noblitt:

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#87-277) concerning the O & M manual for the sewage facilities of Dixon Brothers Rental in Laramie County. The Water Quality Division has determined that the O & M manual meets the minimum requirements for the information contained therein.

This letter serves as the final document showing the O & M manual is approved.

Sincerely,

David Montague  
Engineering Specialist  
Water Quality Division

DM/jn

cc: Todd Dixon, Dixon Brothers Rental

R.F.

PERMIT TO CONSTRUCT

PERMIT NO. 87-277  
See Conditions

- New
- Renewal
- Modified

Dixon Graywater Pond

This permit hereby authorizes the applicant:

Dixon Brothers Rental  
P O Drawer 8  
New Castle, WY 82701

to construct, install or modify commercial evaporation/containment pond according to the procedures and conditions of the application number 87-277. The facility is located in S17, T13N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 two years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

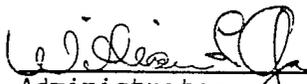
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

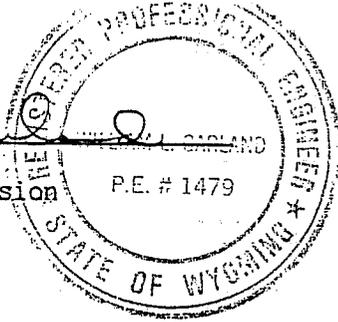
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

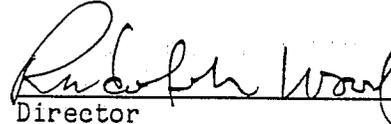
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

10-6-87

Date of Issuance

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

Conditions to Permit to Construct #87-277

1. A draft operation and maintenance manual shall be submitted at 50% completion of construction and a final operation and maintenance manual shall be authorized prior to start-up.

cc: Tom Williams



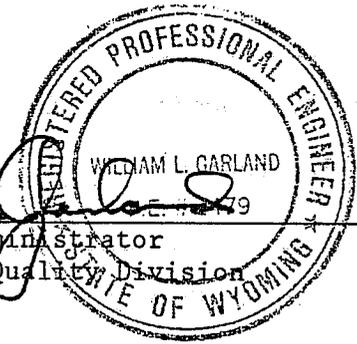
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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  
STATE OF WYOMING  
8-18-87  
Date of Issuance

Rudolph Wood  
Director  
Dept. of Environmental Quality

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

CONDITIONS ON PERMIT

1. Additional wells and soil borings meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. Within 30 days after the monitor wells have been completed, the owner shall provide the Wyoming Department of Environmental Quality, Water Quality Division with a report that details the logs and locations. If well construction changes were made they should be included in the report.
3. All wells shall be sampled and analyzed for benzene, toluene and xylene. The results of the analyses conducted on water removed from these wells shall be provided to the department within 15 days of when they become available.
4. All monitor wells and soil borings will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. Drilling shall commence on or before 30 days after issuance of this permit.
7. The entire extent of contamination will be defined including hydrocarbon product layers and dissolved constituents.

Conditions on Permit (continued)  
Permit No. 87-278

8. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required.

9. Provisions shall be made for the development of all monitor wells prior to sampling.

10. Department of Environmental Quality, Water Quality Division personnel shall be given sufficient notice prior to the installation of the monitor wells and sample collection so that Department of Environmental Quality, Water Quality Division personnel may be on-site if deemed necessary.

11. All monitor wells shall be designed so that they contain a minimum of 5 feet of water at all times.

cc: Jake Strohman, DEQ/WQD, Cheyenne



THE STATE OF WYOMING



MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781

May 30, 1990

Jo Kissack  
Kissack Water and Oil Service, Inc.  
Box 46  
Rozet, Wyoming 82727

RE: Shell Fox #1  
Permit UIC 87-380 class I  
Campbell County, Wyoming

Horse Creek Federal 1-8  
Permit UIC 88-018 class I  
Weston County, Wyoming

Federal Jessen 1-5  
Permit UIC 87-279 class I  
Weston County, Wyoming

Dear Mrs. Kissack:

I would like to schedule an annual inspection of the above mentioned facilities on Wednesday, June 27, 1990. I will meet Doug at your offices on June 27 at 08:00 AM. This inspection will cover all aspects of the operation of this well. During this inspection, I will want to see records of the pressure fall off curve required by the permits. I will also want to see all required instrumentation in place and operating. If at all possible, I want to see these wells actually injecting fluid so that tests can be made of the various devices on the well. I will also need to sample the injectate at that time for compliance with the permit. Provision needs to be made to take samples of the injectate.

An annual inspection of a class I well also requires that we observe the records being kept on this well. Records of injection volume, pressures, and annulus pressures as well as required analyses should be available for inspection.

Sincerely,

Robert Lucht, P.E.  
UIC Program Supervisor  
Water Quality Division

RL/jt

xc: Jake Strohmman



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.

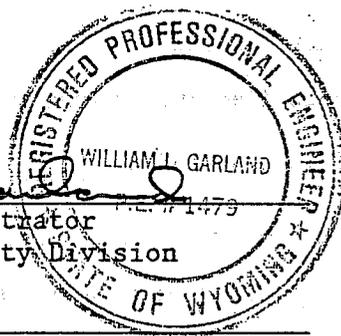
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

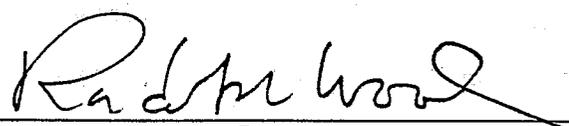
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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  
1-14-88  
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

One of the sources of wastewater to this facility is from a vehicle wash. Therefore there is a potential for oil and grease to enter the impoundment. DEQ/Water Quality Division personnel will monitor the water quality of the pond. If oil and grease become visible as a sheen on the pond the permittee will be required to install an oil/water separator.



THE STATE

OF WYOMING

S22, 23, 26, 27  
T19N, R110W  
Swe

Ref. No. 79-669  
1-14-88  
1890-1990  
WYOMING  
CENTENNIAL  
A LASTING LEGACY

## Department of Environmental Quality

Air Quality Division  
(307) 332-3144

Land Quality Division  
(307) 332-3047

Solid Waste Management Program  
(307) 332-3144

Water Quality Division  
(307) 332-3144

December 22, 1987

FMC Wyoming Corporation  
ATTN: Wesley K. Nash  
P.O. Box 872  
Green River, WY 82935

RE: Lower Snake Draw Reservoir Tailings Impoundment 1985 Dike Enlargement  
Conditional "As Built" Acceptance 87-282R

Dear Mr. Nash:

The plans, specifications and design information submitted with the application for "Permit to Construct" a dike enlargement at the tailings impoundment have been reviewed. The "as built" plans appear to comply with the minimum design standards as defined by the State of Wyoming.

In 1985 FMC raised the tailings impoundment dikes to provide additional storage. Figure 9 indicates that the north dike section A-A was raised 5 feet to an elevation of 6320 feet and section B-B was raised to an elevation of 6315 feet. A "Permit to Construct" should have been obtained from this department prior to this enlargement/modification of a disposal facility capable of causing or contributing to pollution.

A "Permit to Construction" cannot be issued owing to the fact that the modification has already been completed. However, please retain this letter as verification that the enlargement has been conditionally accepted by the DEQ/Water Quality Division. The conditions for accepting this enlargement are as follows:

1. A "Permit to Construct" is obtained from the DEQ/Water Quality Division prior to construction or modification of any treatment works, disposal system or other facility capable of causing or contributing to pollution.

2. Acceptance of this 1985 dike enlargement does not relieve FMC Wyoming Corporation of the responsibility to investigate/remediate the groundwater and surface water problems associated with the facility. FMC shall diligently pursue the investigation/remediation of groundwater and surface water contamination problems which have resulted from this facility.

Wesley Nash  
December 22, 1987  
Page Two

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

Sincerely,



Jack Bedessem, P.E.  
Southwest District Supervisor

JB/jw

cc: Larry Robinson, DEQ/WQD, Cheyenne  
Tom Williams, DEQ/WQD, Cheyenne  
John Erickson, DEQ/LQD, Lander  
File (7)

R7



THE STATE OF WYOMING



MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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September 17, 1987

University of Wyoming  
P O Box 3227  
Laramie, WY 82071

RE: Permit to Construct Application Number 87-283

Dear Sirs:

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#87-283) for a permit to modify a septic system for the Red Buttes Environmental Biological Laboratory at NW, NE, S21, T14N, R73W. The Water Quality Division has determined that the system meets the minimum design standards.

Nothing in this letter constitutes an endorsement of the construction or the design of the facility described herein. This letter 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 activities allowed under this letter. 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 letter, the state does not in any way waive its sovereign immunity.

Since your system has already been constructed, a permit to construct cannot be issued. This letter is your record that the Red Buttes Environmental Biological Laboratory as 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 wastewater system, you must apply for a permit to construct prior to construction to avoid enforcement action.

Sincerely,

William L. Garland  
Administrator  
Water Quality Division

WLG/TSN/nc

cc: Fred B. Crowell, University of Wyoming, P O Box 3227, Laramie, WY 82071

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002



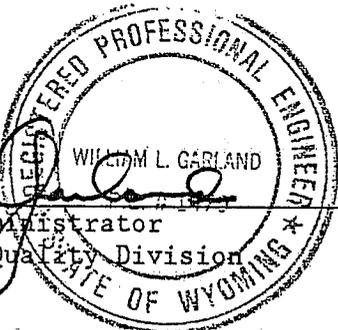
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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  
STATE OF WYOMING  
8-18-81  
\_\_\_\_\_  
Date of Issuance

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

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

CONDITIONS ON PERMIT

1. The results of any analyses conducted on soil or water removed from this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
2. This issuance of this permit does not relieve the permittee from obligations for any future remedial actions which may be required.
3. The permittee shall notify the DEQ/WQD five (5) days prior to installation.
4. The permittee shall notify the Division of the name, phone number, and address of the on-site operator of the recovery system.
5. The permittee shall operate the recovery system continuously unless DEQ/WQD allows other operational plans. The Division shall be notified immediately in the event that the hydrocarbon recovery system is not operational for more than 24 hours.
6. Prior to operation of the hydrocarbon recovery system, an approved Operation and Maintenance Manual shall be provided to the Division and to all operators. The O&M Manual shall contain, at a minimum, a schematic, operations guide, maintenance schedule, trouble shooting guide, discharge requirements and limitations, DEQ contact, provisions in the event of a spill, methods for handling and disposing of gasoline produced in a proper manner, and safety requirements.
7. The hydrocarbon recovery system shall be "winterized" to prevent freeze-up and breakdown.

8. A status report shall be provided to the Division on a quarterly basis with reports due by the last day of January, April, July and October. The report shall include at a minimum, volumes pumped of hydrocarbon product, downtime and dates, effectiveness of the recovery system, monitoring data for all monitor wells and separator discharge.

9. In the event the system does not operate as planned or effectively recover the gasoline product layer, provisions shall be made for correcting the deficiencies. In any event, the gasoline product and related dissolved constituents shall be recovered and cleaned up in a timely and diligent manner until released by DEQ/WQD.

10. Monitor wells 2, 5, 7 and 8 shall be sampled and analyzed on a quarterly basis. The separator discharge shall be sampled and analyzed on a monthly basis for the first three months and then on a quarterly basis thereafter. Monitor wells 3 and 4 and TH8 shall be sampled and analyzed on an annual basis. Quarterly samples shall be collected the end of March, June, September and December. Samples shall be analyzed for benzene, toluene and xylene.

cc: Jake Strohmman, DEQ/WQD, Cheyenne

Patti Burns  
IPS

56

RECEIVED

RECEIVED  
MAR 3 1989  
WATER QUALITY DIVISION  
WYOMING

MEMORANDUM

87-285

TO: District and Groundwater Staff  
FROM: Patti Burns, IPS  
Larry Robinson and Jake Strohm, Engineering Control Supervisors  
DATE: February 22, 1989  
RE: Construction projects with outstanding status

The following names are of construction projects that have not yet been permitted. Most are projects where a review has been sent from WQD to the applicant for additional information and we have never received a response back. Many are very old projects. My request to you is twofold. First, would you double check your files and verify that the information listed is the last action taken by WQD on the project. Second, if the last action taken on the project is past six months old, please send Status Request Letter to the applicant. If a status request has already been sent, and no reply has been received, your supervisor is requiring a site visit to determine if construction has occurred without a permit. Of course if it has, appropriate enforcement action should be taken.

I would appreciate a response from each individual on the status of your projects. Thank you for your cooperation.

Patti - here's something that's old! The Town of Shoshone has withdrawn their application for 87-285. A copy of their letter is attached. Was this already in the IPS computer records?  
Jeff

<u>REF. NO.</u>	<u>FACILITY NAME</u>	<u>ACTION DATE</u>	<u>ACTION</u>	<u>WQD ENG</u>
84-544	NEBEKER SHOP	01/09/86	SRS	JH
87-146	APPLE VALLEY & WESTRIDGE EST	11/19/87	RS	SG
87-285	SHOSHONI, TOWN OF	08/11/87	RS	SG

RS	REVIEW SENT FROM WQD TO APPLICANT
UR	UNDER REVIEW BY WQD
SRS	STATUS REQUEST SENT
UE	UNDER ENFORCEMENT

NOVEMBER 20, 1987

JEFF HERMANSKY  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY EVALUATOR  
210 LINCOLN STREET  
LANDER, WY 82520

*Waste*  
RE: SHOSHONI WATER TREATMENT PLANT

87-285

DEAR JEFF,

AT THIS TIME THE TOWN OF SHOSHONI WOULD LIKE TO WITHDRAW THEIR APPLICATION FOR A PERMIT FOR THE RECONSTRUCTION OF THE BAFFLE IN THE SEWER PLANT. THIS WILL BE RECONSIDERED AT A LATER DATE, AND AT THAT TIME WE WILL REEVALUATE THE NEEDS OF THE FACILITY.

LET ME, AS MAYOR, THANK YOU FOR ALL THE TIME AND HELP YOU HAVE GIVEN US ON THIS PROJECT.

*Jane Adamson  
Mayor*

bp



Former Amoco Refinery  
Post Office Box 160  
Casper, WY 82602

December 3, 2001

RECEIVED

DEC - 5 2001

WATER QUALITY DIVISION  
WYOMING

Ms. Barb Sohl  
Water Quality Division  
Wyoming Department of Environmental Quality  
Herschler Building, 4<sup>th</sup> Floor West  
122 West 25<sup>th</sup> Street  
Cheyenne, Wyoming 82002

**RE: Name Change for Permits with WDEQ Water Quality Division**

Dear Ms. Sohl:

As of October 1, 2001 Amoco Oil Company changed its name to BP Products North America Inc. The company has the following permits with the Water Quality Division of the Wyoming Department of Environmental Quality (WDEQ):

- Permit No. WYR000255 for storm water discharge from the former Amoco Refinery in Casper, Wyoming
- Hydrocarbon Recovery System, originally constructed under permits 87-286, 80-529, and 79-165

The address for BP Products North America Inc. is the same as the address for Amoco Oil Company. Please make a note of this change for your records. If you have any questions regarding this letter, please contact me at (307) 261-4211.

Sincerely,

A handwritten signature in cursive script that reads "Joe Deschamp".

Joe Deschamp  
Environmental Business Manager

cc: J. McLain, BP, Chicago  
M. Degner, RETEC, Golden  
B. Stephens, BP, Casper  
B. Brechtel, BP, Casper  
B. Dwyer, BP, Chicago, IL  
D. Applegate, RETEC, Casper

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-286  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

Casper Amoco Oil Refinery

This permit hereby authorizes the applicant:

Amoco Oil Company  
P O Box 160  
Casper, Wyoming 82602

to construct, install or modify hydrocarbon recovery system according to the procedures and conditions of the application number 87-286. The facility is located in Section 5, 7 and 8, T33N, R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of 5 (five) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

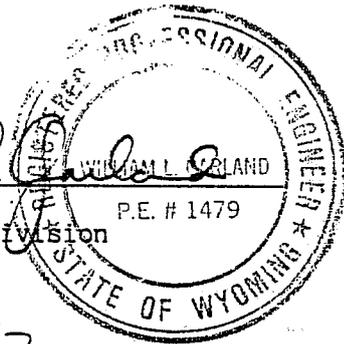
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

William L. Gaudin  
Administrator  
Water Quality Division



Rudolph Woul  
Director  
Department of Environmental Quality

9-8-87

Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-286

1. The applicant is authorized to construct and install hydrocarbon recovery wells at the Casper Amoco Refinery according to plans and specifications submitted with permit to construct application number 87-286.
2. An annual report evaluating the progress of the hydrocarbon removal shall be submitted to the Water Quality Division beginning in January 1988. This report shall contain at a minimum:
  - a. A potentiometric map using adjusted groundwater elevation data;
  - b. Semi-annual hydrocarbon thickness measurements from the monitoring wells;
  - c. A hydrocarbon thickness contour map using thickness averages for each well from the previous two semi-annual measurements;
  - d. Hydrocarbon thickness trend graphs for monitoring wells numbers 89, 108, 12, 96, 112, 116 and 101;
  - e. The volume of water pumped from hydrocarbon recovery system on a monthly basis;
  - f. The volume of oil recovered on a monthly basis;
  - g. A trend graph showing cumulative hydrocarbon recovery versus time;
  - h. A description of any operational problems.
3. The recovery wells shall be "winterized" to prevent freeze-up and to allow for year round operation of the system.

Conditions to Permit 87-286 (continued)

4. The permittee shall operate the recovery system continuously unless the Water Quality Division allows other operational plans. The division shall be notified immediately in the event that the hydrocarbon recovery system is not operational for more than 24 hours.
5. Based on an on-going evaluation of the effectiveness of the hydrocarbon recovery system by the Water Quality Division, the applicant may be required to expand the recovery/monitoring system beyond its present size.



THE STATE

OF WYOMING



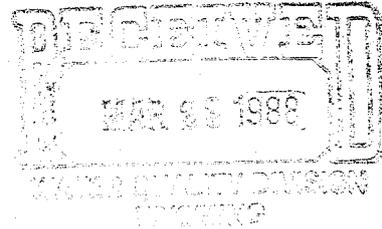
87-287

# Department of Environmental Quality

Air Quality Division  
(307) 672-6457

Water Quality Division  
(307) 672-6457

March 21, 1988



Gale and Mary Lou Stewart  
Rt. 1, Box 337A  
South Haven, MN 55382

Dear Mr. and Mrs. Stewart:

Thank you for your letter of March 3, 1988, explaining how to get to your property outside of Moorcroft. I visited the site and inspected the septic system installation on March 18, 1988.

Based on my observations, the system appears to be sized to adequately meet the Department's standards. This, in no way, constitutes a guarantee for successful operation of the system.

A Permit to Construct for the system can not be issued because the system is already installed. This letter serves as your as-built approval for the system and will be your only notification of this Department's authorization. I suggest you keep a copy for your records.

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

Sincerely,

Susan Fields  
Northeast District Supervisor  
Water Quality Division

SF:jj

xc: Larry Robinson, DEQ/WQD, Cheyenne  
Norma Coulson, DEQ/WQD, Cheyenne  
Review File 87-287

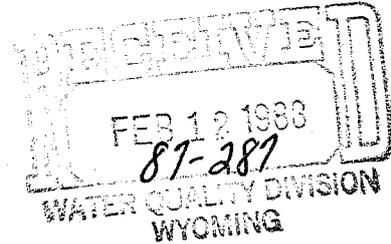


## Department of Environmental Quality

Air Quality Division  
(307) 672-6457

Water Quality Division  
(307) 672-6457

February 10, 1988



CERTIFIED MAIL

Gale D. & Mary Lou Stewart  
4654 Tyler Street NE, Apt. 3  
Columbia Heights, MN 55421

Dear Mr. & Mrs. Stewart:

In September, 1987, I wrote you and requested directions to your old property near Moorcroft, Wyoming, so I could conduct an inspection of the septic system. The as-built approval for this system is still pending and I would very much like to get it resolved.

I need the following information to get this issue resolved:

1. What is the specific location of the property? I need a street address or directions.
2. Was the property sold when you left? If so, to whom?
3. Is the system currently being used?

Please contact me at your earliest convenience. Thank you.

Sincerely,

Susan Fields  
Northeast District Supervisor  
Water Quality Division

SF:jj

xc: Norma Coulson, DEQ, Cheyenne  
Larry Robinson, DEQ, Cheyenne  
Review File: 87-287

PERMIT TO CONSTRUCT

PERMIT NO. 87-288  
SEE SPECIAL CONDITIONS

- New
- Renewal
- Modified

Dixon Brothers Rental Sentic System

This permit hereby authorizes the applicant:

Dixon Brothers Rental  
P O Drawer 8  
New Castle, Wvoming 82701

to construct, install or modify commercial subsurface wastewater treatment and disposal system according to the procedures and conditions of the application number 87-288. The facility is located in SW. NE Section 17, T13N. R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 (two) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

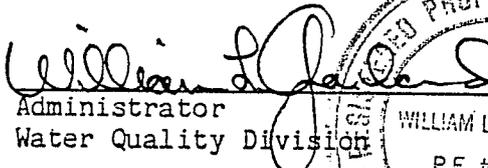
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

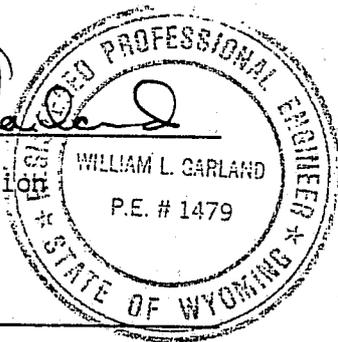
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

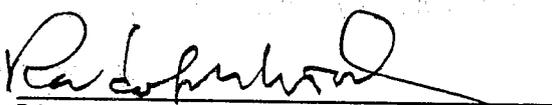
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

10-5-87  
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT # 87-288

The permittee shall notify Don Pack, Laramie County Environmental Health, 1700 Snyder Avenue, Cheyenne, Wyoming 82001, phone number (307) 638-8545 of the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.

cc: Jack Noblitt, Jack Noblitt and Associates, 1920 Thomes Avenue, Suite 620  
Cheyenne, Wyoming 82001  
Don Pack, Laramie County Environmental Health



87-289

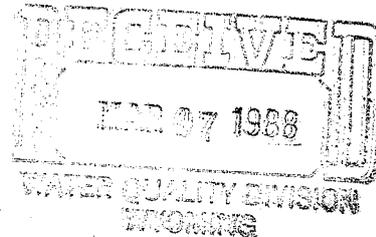
## Department of Environmental Quality

Air Quality Division  
(307) 672-6457

Water Quality Division  
(307) 672-6457

March 4, 1988

Mr. Walter Soper  
Supervisor  
Weston County Road and Bridge  
1 West Main  
Newcastle, Wyoming 82701



Dear Mr. Soper:

87-289

As per your request of March 3, 1988, this office extends the permit period for Water Quality Permit to Construct ~~87-287~~ for an additional six months. The subject permit will, therefore, expire on August 11, 1988.

The conditions contained on the previously issued permit will still apply to the extended permit period. I would again like to remind you to notify me a few days in advance of any application of oil.

Thank you for your request and I look forward to working with you through the summer.

Sincerely,

*Susan Fields*

Susan Fields  
Northeast District Supervisor  
Water Quality Division

SF:jj

xc: Norma Coulson, DEQ, Cheyenne  
Archives File ~~87-287~~

LAND APPLICATION PERMIT

Permit No. 87-289  
SEE SPECIAL CONDITIONS

WESTON COUNTY DUST CONTROL  
(Name of Facility)

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

Weston County Road & Bridge Department

P. O. Box 931

Newcastle, Wyoming 82701

to land apply waste oil to county roads for dust control. The application site is located throughout the County of Weston, in the State of Wyoming. This permit shall be effective for a period of six (6) months 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 standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards 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 disposal method described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

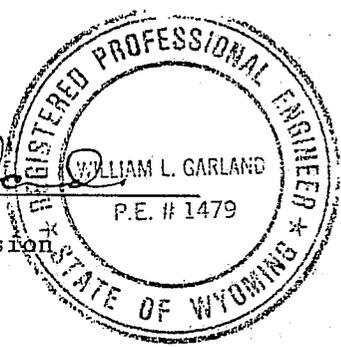
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions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

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 regulations.

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



*Rudolph Woul*  
Director  
Department of Environmental Quality

*8-11-87*

Date of Issuance

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

LAND APPLICATION STANDARD CONDITION

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 percent for vehicular application or 15 percent for spray irrigation or irrigation by gated pipe on the contour.
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. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Susan Fields, 2161 Coffeen Avenue, Suite 501, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Engineer should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil and sludges applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied during the period from November 1 to April 30.

PERMIT TO CONSTRUCT

PERMIT NO. 87-290

X New  
Renewal  
Modified

BRETT PENNING SMALL WASTEWATER FACILITY

This permit hereby authorizes the applicant:

Brett Penning  
P. O. Box 221  
Hulett, Wyoming 82720

to construct, install or modify a small septic system according to the procedures and conditions of the application number 87-290. The facility is located in Section 12, T54N, R65W in the county of Crook, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

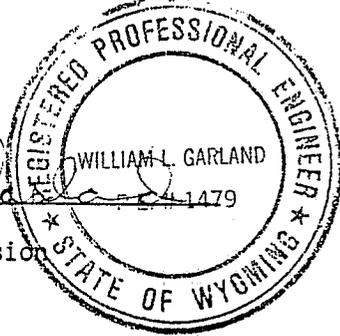
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 601, Sheridan, Wyoming 82801; telephone (307) 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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Ralph Wood  
Director  
Department of Environmental Quality

8-11-87  
Date of Issuance

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

*fill*

PERMIT TO CONSTRUCT

PERMIT NO. 87-291

- x New
- Renewal
- Modified

Wheatland - Dwyer Junction Rest Area

This permit hereby authorizes the applicant:

Wyoming Highway Department  
P O Box 1708  
Cheyenne, WY 82002-9019

to construct, install or modify two subsurface wastewater treatment and disposal facilities according to the procedures and conditions of the application number 87-291. The facility is located in S21, T26N, R68W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 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 invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

William R. Jacobs  
Administrator  
Water Quality Division



Rudolph Wood  
Director  
Department of Environmental Quality

8-18-87  
Date of Issuance

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

cc: Roy E. Prior, CEI, Inc., P O Box 2000, Casper, WY 82602

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-292  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

MORRISON CONTAMINANT WITHDRAWAL SYSTEM

This permit hereby authorizes the applicant:

Robert C. Kuhn  
Union Pacific Railroad  
1416 Dodge Street  
Omaha, Nebraska 68179

to construct, install or modify the Morrison Contaminant Withdrawal System according to the procedures and conditions of the application number 87-292. The facility is located in Section 5, T15N, R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

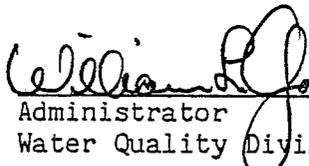
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307)

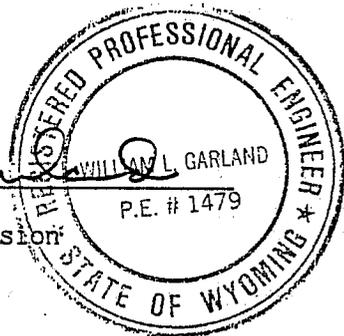
777-7781.

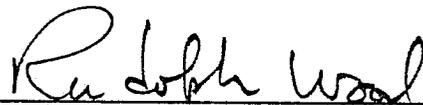
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

8-17-87

Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT #87-292

- 1) Well logs, completion details, as-builts and a map showing the location of the wells shall be submitted to the Department of Environmental Quality/Water Quality Division within thirty (30) days of installation. Well coordinates shall be submitted and be consistent with the coordinants used in the EPA investigation.
- 2) The drill hole size shall be increased to 9" to allow for a 2" seal as required by Chapter XI, Part G, Section 65d, and Chapter XI, Part G, Section 65b.
- 3) Monitor wells shall not be plugged and abandoned without prior approval from the DEQ/WQD.
- 4) Provision shall be made to measure pumping water levels in each well using either a manual sounding tube or a pneumatic water level sounding setup.
- 5) Quarterly reports will be required within 30 days of the end of each quarter. These reports are due at the end of January, April, July, and October as long as the system remains in operation and 2 quarters after the end of operations. The following items are to be included:
  - a) Water levels at the end of each calendar month of operation in all monitor wells within 500 feet of any of the pumped wells. This includes pumping water levels in the three pumped wells.
  - b) The total water withdrawn in gallons for each well for each month and cumulative.
  - c) Any water quality assays done on any of the monitor wells within 500 feet

Conditions to Permit 87-292 (continued)

of any pumped well, but not less than 1 sample per month. Assays shall include all tests under methods 608,624 and 625, EPA - 600/4-82-057 (1982).

- d) Logs showing start-up and shutdown times for all pumped wells.
- 6) The name, address and telephone number of the operator in the field.
- 7) A maintenance and operating manual shall be submitted showing as-built piping, pumps and electrical controls. All operating personnel shall receive this manual.
- 8) Within 30 days of a shutdown of more than 14 days duration, DEQ/WQD shall be notified. Notice shall also be given within 30 days of the date the system is placed in operation.

cc: David L. Raby  
CH<sup>2</sup>M Hill  
P O Box 22508  
Denver, CO 80222

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-293  
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

UNION PACIFIC RAILROAD

This permit hereby authorizes the applicant:

Garry Papek  
Union Pacific Railroad  
1416 Dodge Street  
Omaha, Nebraska 68179

to construct, install or modify oil recovery system at the Cheyenne rail yards according to the procedures and conditions of the application number 87-293. The facility is located in NE $\frac{1}{4}$ , Section 6, T13N, R66W, and SE $\frac{1}{4}$  Section 31, T14N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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 ensures 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.

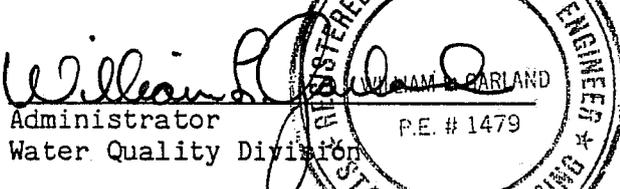
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

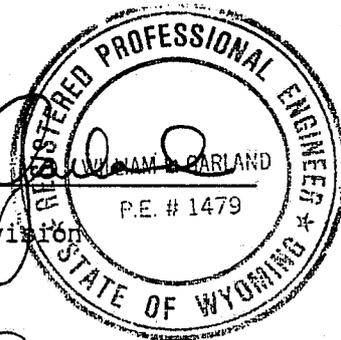
Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

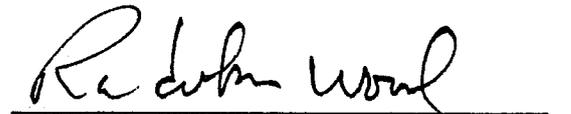
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

8-17-87

Date of Issuance

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

#### SPECIAL CONDITIONS FOR PERMIT #87-293

The permit is issued with the requirement that the permittee abide by the following conditions:

1. Once the oil collection system has been installed the owner will provide the DEQ/WQD with a report that details any and all chemical analyses, water levels and other observations made by the engineer during construction.
2. The results of any analyses of oil or water removed from or associated with this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
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.
5. The issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination Study and any future remedial actions which may be required.
6. The permittee shall notify the DEQ/WQD five days prior to the exact dates of installation. The DEQ/WQD shall also be notified when the system is made operational.
7. The permittee shall notify the Division of the name, telephone number, and address of the on-site operator of the oil recovery system.

Conditions to Permit 87-293 (continued)

8. The permittee shall operate the oil recovery system continuously unless DEQ/WQD allows other operational plans. The Division shall be notified within 30 days in the event that the oil recovery system is not operational for more than 48 hours.
9. Prior to operation of the oil recovery system, an approved Operation and Maintenance Manual shall be provided to the Division and to all operators. The O&M Manual shall contain at a minimum a schematic, operations guide, maintenance schedule, trouble shooting guide, discharge requirements and limitations, DEQ contact, and safety requirements.
10. Well permits shall be obtained from the State Engineer. A quarterly report shall be submitted by the last day of January, April, July and October. All reports are due with 30 days of the end of the period. The quarterly report shall include at a minimum, oil and water pumped per month, downtime and dates, and monthly water level monitoring data.
11. Provision shall be made to winterize this system so that year round operation can be maintained. All piping shall be heat traced and insulated or buried below frostline.

cc: Lawrence L. Earnshaw, P E  
Union Pacific Railroad  
1919 14th Street, Suite 400  
Boulder, CO 80302  
Jake Strohman, DEQ/WQD  
Tom Norman, DEQ/WQD



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.

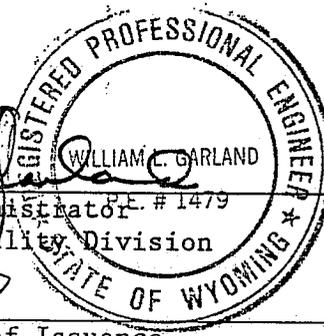
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

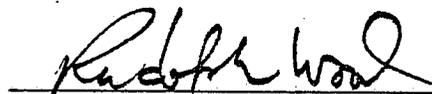
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 # 1479  
Water Quality Division  
8-20-87  
Date of Issuance



  
Director  
Dept. of Environmental Quality

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



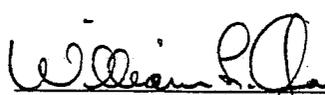
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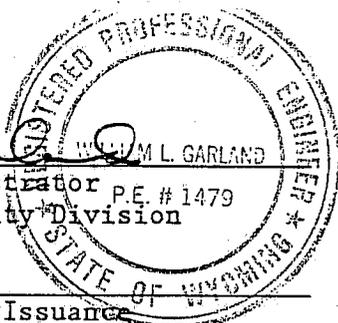
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator P.E. # 1479  
Water Quality Division  
10-29-87  
\_\_\_\_\_  
Date of Issuance



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

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

*file*

PERMIT TO CONSTRUCT

PERMIT NO. 87-296  
SEE SPECIAL CONDITIONS

X New  
Renewal  
Modified

SEMINOE MINE #1 - FACILITY AND TIPPLE PONDS

This permit hereby authorizes the applicant:

Arch of Wyoming, Inc.  
P O Box 460  
Hanna, Wyoming 82327

to construct, install or modify sedimentation ponds according to the procedures and conditions of the application number 87-296. The facility is located in NW, NW Section 21, T22N, R83W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures 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.

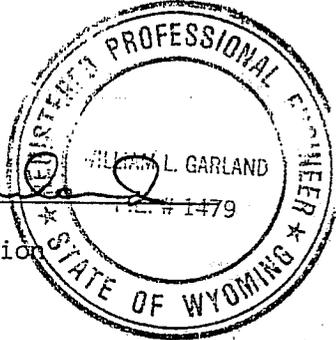
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

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

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AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Rudolph Wood  
Director  
Department of Environmental Quality

8-18-87  
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-296

1. A staff gauge must be installed in the pond identifying maximum sediment depth, minimum water depth to which the pond must be pumped, and maximum water level.
2. The facility must maintain the capability to empty the pond within the time period identified in the NPDES permit.

cc: James F. Felber  
Arch of Wyoming, Inc.

PERMIT TO CONSTRUCT

PERMIT NO. 87-297  
REF. NO. 84-511

New  
X Renewal  
Modified

Jess Hat Six Truck Plaza

This permit hereby authorizes the applicant:

Jess Manzanrez  
P O Box 1760  
Casper, WY 82609

to construct, install or modify commercial wastewater collection system according to the procedures and conditions of the application number 87-297. The facility is located in S9, T33N, R78W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of one (1) (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 ensures 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.

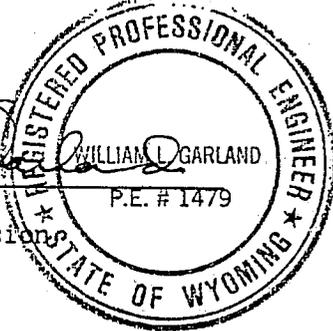
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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AUTHORIZED BY:

  
William L. Garland  
Administrator  
Water Quality Division

Ralph Ward  
Director  
Department of Environmental Quality

8-11-87  
Date of Issuance

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

cc: E. Gene Brady  
Brady Engineering Co. Inc.  
P O Box 2521  
Grand Island, NE 68802

PERMIT TO CONSTRUCT

PERMIT NO. 87-298R

X New  
Renewal  
Modified

College Heights Baptist Church

This permit hereby authorizes the applicant:

College Heights Baptist Church  
21st and Walnut  
Casper, WY 82601

to construct, install or modify municipal water distribution facility according to the procedures and conditions of the application number 87-298R. The facility is located in NW S16, T33N, R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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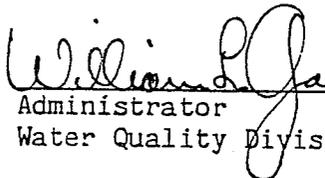
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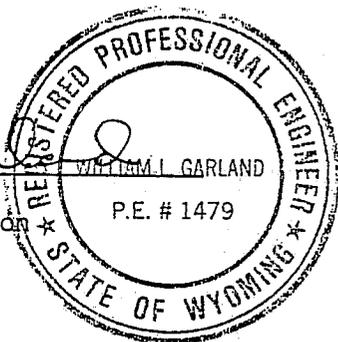
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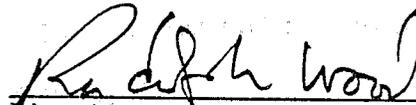
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The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Department of Environmental Quality

8-20-87  
Date of Issuance

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

cc: Dave Hill, Casper BPU, 200 North David Street, Casper, WY 82601  
Terry L. Titus, WLC & J, 632 S. David, Casper, WY 82601



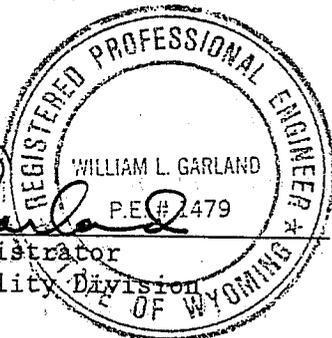
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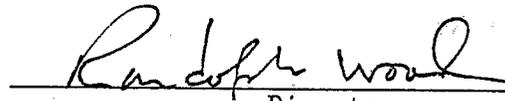
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:

  
*William L. Garland*  
Administrator  
Water Quality Division  
STATE OF WYOMING

  
Director  
Dept. of Environmental Quality

*8-18-87*

Date of Issuance

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



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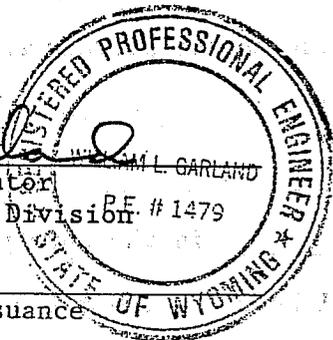
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AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division RE # 1479  
8-20-87  
Date of Issuance



R. L. Lohr  
Director  
Dept. of Environmental Quality

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