

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-196
SEE CONDITIONS

WERNER RANCH PRODUCED WATER POND MW
(Name of Facility)

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

Jim's Water Service
PO Box 2606
Gillette, WY 82717-2606

to construct, install or modify monitoring well and borehole network facilities according to the procedures and conditions of the application No. 90-196. The facility is located in Section 28, T.36N., R.70W., in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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, or other appropriate District offices.

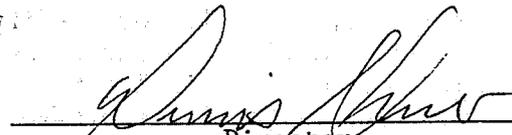
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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,

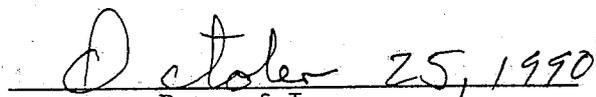
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

CONDITIONS FOR MONITORING WELLS

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-196. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).

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 shall be installed according to normal engineering practice.

3. After the monitoring wells and boreholes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and regulations. Within 15 days after a monitoring well has been plugged and abandoned, the owner shall file a plugging record with the WQD.

4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the Division. The wells shall be clearly numbered.

5. 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. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.

6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:

a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;

b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;

c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;

d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;

e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;

f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;

g. A protective casing and locking cap is strongly recommended;

h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;

i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and

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

7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and test holes and sample collection so that DEQ/WQD personnel may be onsite if deemed necessary.

8. Within 90 days of the issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:

- a. A chronology of events leading up to the investigation;
- b. A site map showing physical features, well locations and elevations;
- c. Final location, construction details and logs of all monitoring wells;
- d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
- e. Definition and documentation of groundwater quality and quantity;
- f. Water level and product thickness measurements;
- g. Sample collection procedures;
- h. Sampling analytical results;
- i. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations (as appropriate);
- j. A potentiometric surface map showing the direction of groundwater movement; and
- k. Interpretation of data and conclusions including recommended remedial measures (as appropriate).

9. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.

10. All monitor wells associated with this facility shall be sampled and the wastewater analyzed quarterly for the parameters listed below:

Wyoming Water Quality Rules and Regulations Chapter VIII, Table I parameters (see page 8 of that document) and EPA method 502.2.

The results of these analyses shall be submitted to the Sheridan DEQ/WQD office by the last day of the month following the end of each quarter. The first set of results are due by the last day of January, 1991.

11. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the Department as soon as they are available.

Conditions for Monitoring Wells (continued)

12. Pending WQD review of the first two consecutive rounds of sampling, further reductions in sampling parameters and/or frequency may be granted.
13. Sampling protocol and quality assurance and quality control guidelines shall be submitted to and approved by the WQD prior to installation of monitoring wells or boreholes.
14. A construction schedule shall be submitted to and approved by the WQD prior to installation of any monitoring wells or boreholes.
15. All monitoring wells shall be installed into groundwater or first impervious rock layer and at sufficient distance from the facility to extend beyond any mounding or mixing zones.
16. Upon the request of DEQ/WQD personnel, split samples shall be provided.
17. If monitoring wells are completed in to the first impervious rock layer and no groundwater is encountered, monitoring wells will be maintained as a leak detection system for this facility.
18. Leak detection systems shall be monitored monthly for the presence of liquids. Any liquids present shall be sampled for those parameters listed in Condition 10 of this permit.
19. Existing monitoring wells (referred to as MW3, MW4, MW5, MW6, and MW7) shall be monitored monthly for the presence of liquid or properly abandoned within 90 days of the issuance of this permit. If liquids are detected during monitoring, such shall be sampled and analyzed for the parameters listed in Condition 10 of this permit. If wells are abandoned, abandonment shall follow procedures specified in the Wyoming Water Quality Rules and Regulations, Chapter XI, Part G, Section 70.
20. Proposed monitoring wells shall be located according to the diagram included with this permit. Per discussions and agreement between the Department and Engineer submitting this application, the referenced diagram has been modified from that originally submitted with this permit application. Additional monitoring well and borehole locations shall be submitted to and approved by the WQD prior to the installation of such.

EJL/pr

xc: Kevin Frederick, 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

October 19, 1990

Jim Rodgers
Jim's Water Service
P O Box 2220
Gillette, WY 82716

Dear Mr. Rodgers:

This letter is in response to a September 17, 1990 letter from Larry Baccari regarding the Notice of Violation issued for the Werner Ranch Produced Water Lagoons. Mr. Baccari indicated that we are in near agreement with the proposal for sampling and testing outlined in my September 11, 1990 letter to you. In his letter, Mr. Baccari indicated that the matter of submittal of bills-of-lading was being referred to Jim's Water Service. We still feel that the submittal of this information and implementation of a disposal tracking system is necessary in order to resolve this matter.

Mr. Baccari also submitted a application for a permit to construct monitoring wells and requested an early response so that installation can be completed this fall. A construction permit for the monitoring wells is enclosed. Please note the conditions related to construction, DEQ presence, sampling and testing of the wells.

Mr. Baccari indicated that you would proceed with construction of the monitoring wells in order to avoid any legal confrontation. We concur in the need for the monitoring wells, however construction of the monitoring wells does not completely resolve the matter. As you know, this matter has been referred to the Attorney Generals Office with a request that a complaint be filed in district

Mr. Rodgers
October 19, 1990
Page 2

court. All inquiries regarding legal aspects and final settlement of this matter should be directed to Tom Roan, Assistant Attorney General, Telephone (307) 777-6428.

Sincerely,



Lawrence Robinson
Engineering Supervisor
Water Quality Division

LR/mad

cc: Tom Roan Attorney Generals Office
Edith Johnson-LaMeres, DEQ/WQD Sheridan
Larry Baccari, Baccari & Associates

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-197
Conditions on Permit

Veigel Hog Wastewater Pond
(Name of Facility)

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

Kyle Veigel

Rt. 1

Afton, WY 83110

to construct a hog wastewater holding pond according to the procedures and conditions of the application No. 90-197. The facility is located in SE 1/4, SW 1/4, Section 2, T31N, R119W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

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

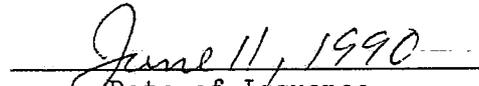
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

* Conditions *

- 1) The pond shall be lined with compacted native clays to limit seepage to less than 1/8 inch per day. This shall be tested using a 2 barrel test once construction is complete. Two barrels are to be placed in the pond bottom adjacent to each other. One barrel shall have both ends cut out of it, the other only one. The barrel with both ends cut out of it shall be inserted and sealed into the pond liner. Both barrels are to be filled with water and the depth of that water is to be recorded once a day for 10 days. The difference between the losses of the two barrels divided by 10 will be the average daily loss to seepage. This must be 1/8 inch or less before the pond is placed in operation.

PERMIT TO CONSTRUCT

New

Permit No. 90-198

Renewal

Modified

U.W. Afton Research & Extension Center
(Name of Facility)

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

University of Wyoming

Facilities Planning Office

Merica Hall, Suite 211

Laramie, WY 82071

to construct an annual waste collection ditch, holding pond, and domestic septic system according to the procedures and conditions of the application No. 90-198.

The facility is located in S 1/2, NE 1/4, Section 25, T32N, R119W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

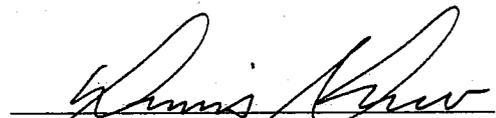
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

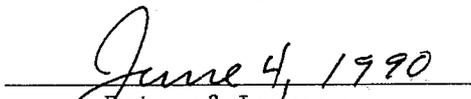
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 90-199RR

Renewal

Modified

Fort Bridger State Historical Site Water Line
(Name of Facility)

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

Archives, Museums & Historical Department

Barrett Building

Cheyenne, WY 82002

to construct a water distribution system facility according to the procedures and conditions of the application No. 90-199RR. The facility is located in SW 1/4, Section 33, T16N, R115W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

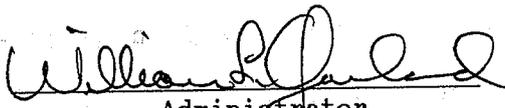
location, for the purpose of compliance with the provisions of this construction permit.

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

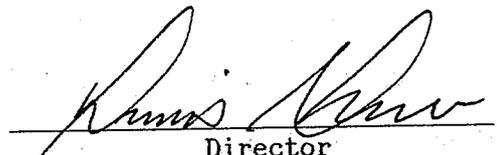
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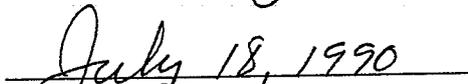
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede 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
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

June 20, 1990

Texaco Refining and Marketing
P. O. Box 307
Evansville, WY 82636

Re: Request for Permit, DEQ/WQD #90-200

Dear Mr. Mathis:

As the result of conversations with Tim Holbrook of Dames and Moore and an examination of existing permits, it appears that this permit application is unnecessary. Therefore this application is returned without action.

Copies of the existing permits, #87-220 and #89-041, for monitoring wells on the Texaco Refinery properties in Section 6 T33N R78W and Section 1 T33N R79W are enclosed. Each permit is good for a five year period from date of issue. If you have any further questions, please contact me at 307-777-7088.

Sincerely;

Louis B. Harmon PE
Southeast District Supervisor
Water Quality Division

LBH jn

cc: Kerri Karnes
Dames and Moore
1125 Seventeenth Street
Denver, CO 80202-2027

RF.

PERMIT TO CONSTRUCT

PERMIT NO. 90-201
SEE SPECIAL CONDITIONS

New
 Renewal
 Modified

WYOMING RECYCLING MONITORING WELLS

This permit hereby authorizes the applicant:

Dennis and Sherry Rivett
P O Box 159
Mills, Wyoming 82644

to construct, install or modify a system of monitor wells according to the procedures and conditions of the application number 90-201. The facility is located in Section 6 NW $\frac{1}{4}$ NE $\frac{1}{4}$, Township 44 North, Range 79 West in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

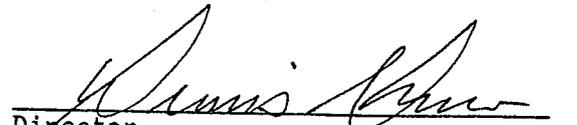
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

May 30, 1990
Date of Issuance

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

CONDITIONS TO PERMIT #90-201

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-201. Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
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 the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of 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 WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
5. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells shall be installed to define the extent of the contamination.

Conditions to Permit 90-201 (continued)

6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. The borehole diameter shall be at least 4 inches larger in diameter than the casing diameter;
 - b. The screened interval shall extend at least 2 feet above the highest expected groundwater level.
 - c. If PVC casing is used, the casing shall be installed using mechanical connectors without the use of solvents or glues to hold the casing sections together. This mechanical connection may use set screws, threads, or other types of couplings.
 - d. To minimize the entrance of fine grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - e. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - f. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected; and
 - g. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. After the bentonite has been placed in the annular space, it shall be hydrated to insure an proper seal. Protective casing shall be cemented into a sloping concrete cap;
7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of monitor wells and sample collection so that DEQ/WQD personnel may be on site if deemed necessary.
8. Final location, construction details and sea level elevations of monitor wells drilled under this permit shall be submitted within 60 days of this drilling of these wells.
9. Proper well evacuation shall include removal of a minimum of 3 casing volumes prior to sampling or pumping the well dry once, whichever occurs first. Sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD and EPA standard procedures.
10. All monitor wells associated with this facility shall be sampled and the groundwater analyzed quarterly for the following listed parameters:
 - a. Benzene, Ethylbenzene, Toluene and Xylenes using EPA Method 602, and purgeable halocarbons using EPA Method 601.
 - b. After the first monitoring event, the WQD may substitute a shorter or longer list for the above parameters, depending on the results of the first monitoring event. WQD may substitute more or less expensive methods for the above listed methods depending on the results of the first monitoring.

Conditions to Permit 90-201 (continued)

- c. The results of these analyses shall be submitted to the Cheyenne office by the last day of the month following the end of each quarter. The first set of results are due by the last day of June, 1990.
11. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.

RL/jn

cc: Jake Strohman, DEQ/WQD
Louis Harmon, DEQ/WQD

PERMIT TO CONSTRUCT

New

Permit No. 90-202

Renewal

Modified

Black Butte Coal Sedimentation Pond SP-LH4
(Name of Facility)

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

Black Butte Coal Company

P.O. Box 98

Point of Rocks, WY 82942

to construct sediment pond designed to intercept runoff from pit 22 disturbance according to the procedures and conditions of the application No. 90-202. The facility is located in SE 1/4, SW 1/4, Section 5, T20N, R101W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

location, for the purpose of compliance with the provisions of this construction permit.

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

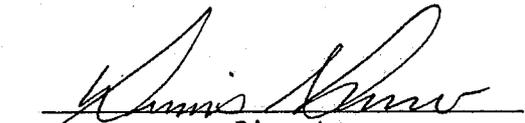
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

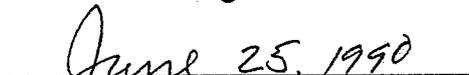
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-203

Black Butte Coal Sedimentation Pond SP-LH3
(Name of Facility)

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

Black Butte Coal Company

P.O. Box 98

Point of Rocks, WY 82942

to construct sediment pond designed to intercept runoff from pit 22 disturbance according to the procedures and conditions of the application No. 90-203. The facility is located in SE 1/4, SW 1/4, Section 5, T20N, R101W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

location, for the purpose of compliance with the provisions of this construction permit.

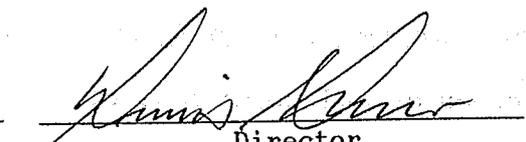
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

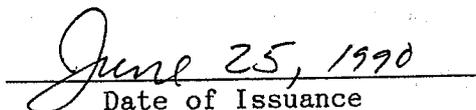
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

PERMIT TO CONSTRUCT

PERMIT NO. 90-204
SEE SPECIAL CONDITIONS.
REF. NO. 83-22

New
Renewal
X Modified - CHANGE OF OWNER

Schaffer Reserve Pit

This permit hereby authorizes the applicant:

S.R.P., Inc.
P O Box 34th
Big Pine

M. abe
A copy
Send to
Study
Merced: th

to construct, install or modify off site and conditions of the application number Section 21, Tract 43, T28N, R113W in the State of Wyoming. This permit shall be effective for a period of five (maximum) years from the date of issuance of this

to the procedures
is located in
in the State of
years (5 years

The issuance of this permit provides that the Wyoming 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.

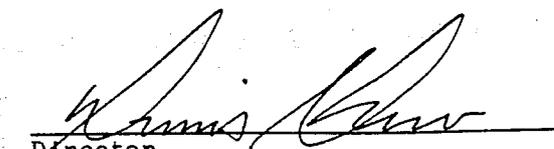
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

June 4, 1990

Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-204

1. The pond lining must be constructed a minimum of three feet thick and be composed of material having a permeability no greater than 4×10^{-7} cm/sec. Prior to filling with fluid the liner shall be tested in-situ in at least three locations by an independent soils lab. If the liner does not meet the above permeability criteria, it shall be reworked and retested until it meets with the criteria at all sites tested. Test locations and results must be submitted to DEQ/WQD.
2. Waste fluids from each new reserve pit handled shall be analyzed for the complete suite of Chapter VIII parameters. The results shall be reported to the Department of Environmental Quality on a regular basis.
3. A log must be kept with the following information: quantity of each load name and location from where each load originated, the haulers company name, and the date of each load.
4. A DEQ/WQD accepted well monitoring system and program may be required as determined by DEQ/WQD personnel.
5. No hazardous waste as defined by the EPA or State of Wyoming may be placed in this pond.

LR/nc



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

Ken McCartney, P.C.
203 East 22nd Street
Cheyenne, WY 82001

RE: Schaffer Reserve Pit, Permit Number 83-22

Dear Mr. McCartney:

This office has received your request to transfer ownership of the above subject permit from Schaffer Reserve Pit Inc. to SRP Inc. Your letter was accompanied by a written request from the original and the proposed operators to make this transfer.

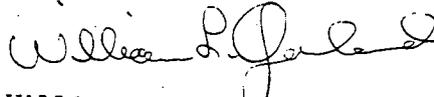
In accordance with Section 10(c), Chapter III, Wyoming Water Quality Rules and Regulations, the request for transfer is hereby approved. The revised permit is enclosed. The transfer is approved based upon the following:

1. The Water Quality Division is in the process of investigating allegations that Schaffer Reserve Pit has received unauthorized wastes. Depending upon the findings of this investigation, enforcement actions may be taken against either the original or the new corporation or both. The permit transfer is made with the understanding that both parties are potentially liable for any violations and required corrective actions.
2. The transfer is made with the understanding that the new corporation agrees to accept and be bound by the provisions of the permit and any amendments and to accept responsibility for the facility's compliance with standards and permit conditions including the responsibility to perform any necessary corrective actions.
3. Permit 83-22 contains a condition that an approved monitoring system and program may be required as determined by DEQ/WQD. Mr. Schaffer, the original owner, has been previously notified of the need to develop a monitoring program and to install a monitoring system. This matter remains unresolved. The new corporation will be required to comply with the monitoring requirements. This will involve the submittal of a monitoring plan and installation of the DEQ approved monitoring system in accordance with an acceptable schedule.

Ken McCartney, P.C.
May 30, 1990
Page 2

Transfer of the permit was approved based upon the above items. Mr. Larry Robinson (telephone 777-7075) will be available to work with you and/or your clients to resolve this matter.

Sincerely,



William L. Garland
Administrator
Water Quality Division

WLG/nc

cc: Tom Roan, Attorney General's Office
Ken Schreuder, DEQ/SWM, Lander
Bill Locke, DEQ/WQD, Lander
Larry Robinson, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-205
(Ref. 89-222)
SEE CONDITIONS

KAYCEE PUMP STATION MONITOR WELLS
(Name of Facility)

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

Conoco Pipe Line Company

6855 S. Havana, Suite 600

Englewood, CO 80112

to construct, install or modify groundwater monitoring and test hole facilities according to the procedures and conditions of the application No. 90-205 (Ref. 89-222). The facility is located in Section 11, T.43N., R.81W., in the County of Johnson, 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 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, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

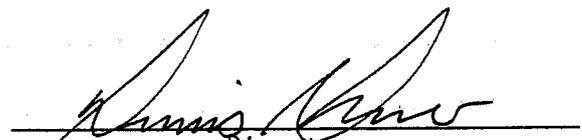
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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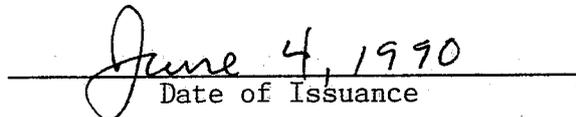
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

CONDITIONS FOR MONITORING WELLS

1. The groundwater monitoring wells and test holes shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-205 (Ref. 89-222). Additional wells and test holes meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
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

Conditions for Monitoring Wells (continued)

seal below ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.

3. After the monitoring wells and test holes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a monitoring well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the Division. The wells shall be clearly numbered.
5. 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. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - g. A protective casing and locking cap is strongly recommended;
 - h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;

Conditions for Monitoring Wells (continued)

- i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - j. All monitor wells shall be designed so that they contain a minimum of three feet of water at all times.
7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and test holes and sample collection so that DEQ/WQD personnel may be onsite if deemed necessary.
8. Within 90 days of the issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
- a. A chronology of events leading up to the investigation;
 - b. A site map showing physical features, well locations and elevations;
 - c. Final location, construction details and logs of all monitoring wells;
 - d. Water level and product thickness measurements;
 - e. Sample collection procedures;
 - f. Sampling analytical results;
 - g. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - h. A potentiometric surface map showing the direction of groundwater movement; and
 - i. Interpretation of data and conclusions including recommended remedial measures.
9. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
10. All monitor wells associated with this facility shall be sampled and the wastewater analyzed quarterly for the parameters listed below:

Benzene
Ethylbenzene
Toluene
Xylene

The results of these analyses shall be submitted to the Sheridan WQD office by the last day of the month following the end of each quarter.

Conditions for Monitoring Wells (continued)

11. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the Department as soon as they are available.

ELJ:jj

xc: Jake Strohman, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-206
(Reference 89-114R)

EATON RANCH WATER TREATMENT SYSTEM
(Name of Facility)

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

EATON BROTHERS, INC
270 Eaton Ranch Road
Wolf, Wyoming 82844

to construct, install or modify a water treatment facility according to the procedures and conditions of the application No. 90-206. The facility is located in Section 5, T55N, R86W, in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

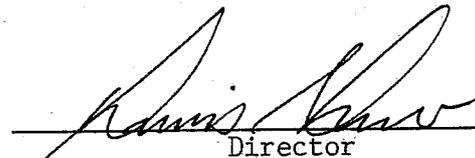
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

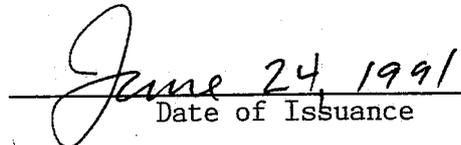
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

DRM:pr

PERMIT TO CONSTRUCT

New

Permit No. 90-207R

Renewal

Modified

Lower Snake Draw Reservoir
(Name of Facility)

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

FMC Wyoming Corporation

Box 872

Green River, WY 82935

to modify a raise of existing tailings impoundment dikes to accommodate a water surface elevation of 6328.00 facility according to the procedures and conditions of the application No. 79-669, 87-282R, 89-351

. The facility is located in NW 1/4 SE 1/4, Sec 22, T 19N, R110W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years 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.

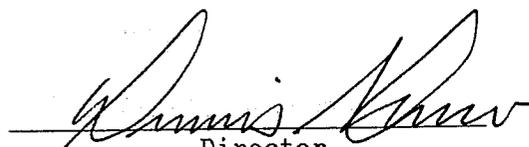
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

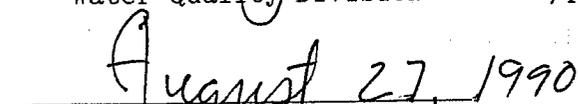
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

BL/jyi

LAND APPLICATION PERMIT

Permit No. 90-208R
(Ref. 89-201R)
SEE SPECIAL CONDITIONS

ELK CREEK ROAD DUST CONTROL #1
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 25, T.56N., R.72W. and Section 30, T.56N., R.71W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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 provisions of this permit.

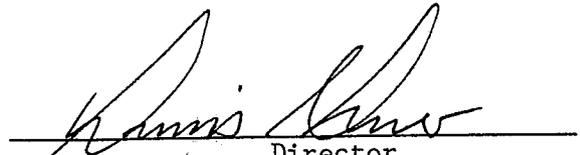
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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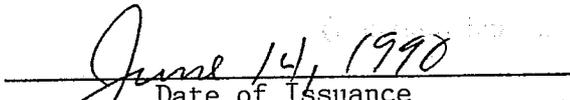
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

LAND APPLICATION PERMIT

Permit No. 90-209R
(Ref. 89-202R)
SEE SPECIAL CONDITIONS

ELK CREEK ROAD DUST CONTROL #2
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 34, T.56N., R.72W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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 provisions of this permit.

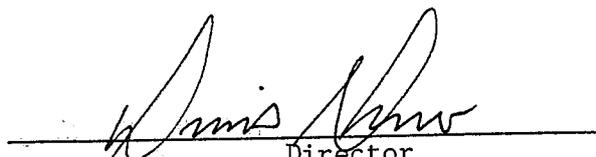
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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.

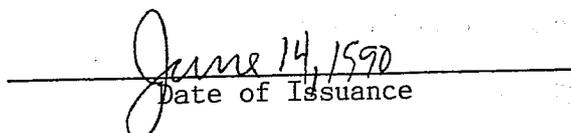
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

LAND APPLICATION PERMIT

Permit No. 90-210R
(Ref. 89-200R)
SEE SPECIAL CONDITIONS

COLLINS ROAD DUST CONTROL
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 6, T.55N., R.72W. and Section 30, T.54N., R.72W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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 provisions of this permit.

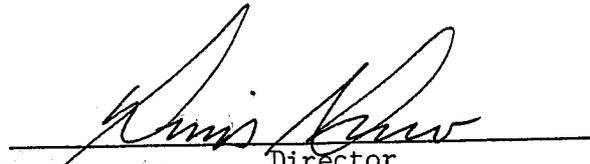
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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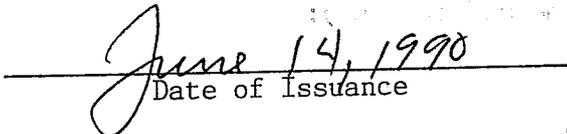
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

LAND APPLICATION PERMIT

Permit No. 90-211R
(Ref. 89-204R)
SEE SPECIAL CONDITIONS

HARRIS ROAD DUST CONTROL
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 9, T.55N., R.72W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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.

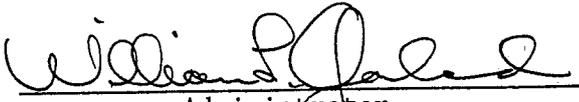
Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the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

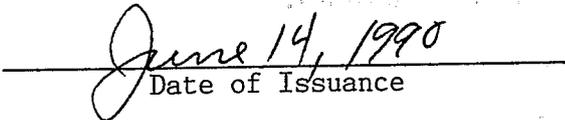
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

LAND APPLICATION PERMIT

Permit No. 90-212R
(Ref. 89-205R)
SEE SPECIAL CONDITIONS

HART ROAD DUST CONTROL
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 17, T.56N., R.72W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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 provisions of this permit.

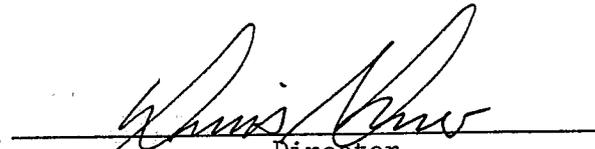
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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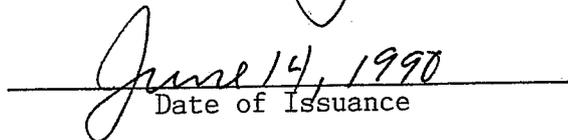
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

LAND APPLICATION PERMIT

Permit No. 90-213R
(Ref. 89-206R)
SEE SPECIAL CONDITIONS

WESTON ROAD DUST CONTROL
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 24, T.54N., R.70W. and Section 30, T.54N., R.71W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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.

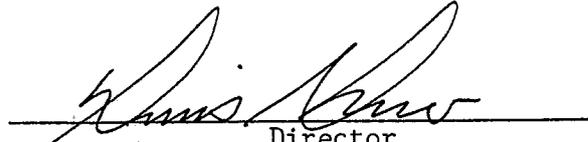
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with provisions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

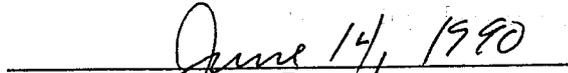
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AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

RF.

PERMIT TO CONSTRUCT
CONDITIONED

- New
- Renewal
- Modified

Permit No. 90-214

Tenneco Minerals Company
(Name of Facility)

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

Tenneco Minerals Company
P. O. Box 1167
Green River, WY 82935

to install a tailings pond seepage monitoring system that will include three (3) monitor wells, one (1) background water quality monitor well, and an unspecified number of soil borings at the TMC tailings disposal facility according to the procedures and conditions of the application No. 90-214. The facility is located in NE 1/4 Sec 31, T17N, R109W and surrounding area in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

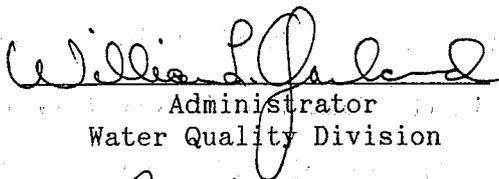
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

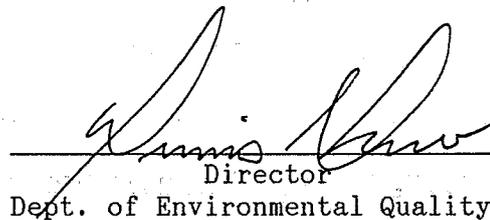
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

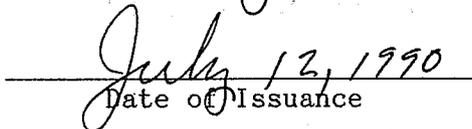
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AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

Conditions for Monitoring Wells

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-214. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
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 shall be installed according to normal engineering practice.

3. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of 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 WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.
5. 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. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. Factory slotted casing is recommended for the perforated interval. Slotted casing shall extend 1-2 feet above highest expected groundwater table;
 - g. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;

- h. A protective casing and locking cap is strongly recommended;
 - i. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - j. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - k. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
8. Within 90 days of issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
- a. A chronology of events leading up to the investigation;
 - b. A site map showing physical features, well locations and elevations;
 - c. Final location, construction details and logs of all monitoring wells;
 - d. Geohydrolic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
 - e. Water level measurements;
 - f. Sample collection procedures;
 - g. Sampling analytical results;
 - h. A map delineating the extent of the subsurface contamination including groundwater contamination and concentrations;
 - i. A potentiometric surface map showing the direction of groundwater movement; and
 - j. Interpretation of data and conclusions including recommended remedial measures.
9. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.

10. All monitor wells associated with this facility shall be sampled and the wastewater analyzed quarterly for the parameters listed in the permit to construct application. After one year the results will be reviewed and sampling frequency adjusted accordingly.

The results of these analyses shall be submitted to the Lander office by the last day of the month following the end of each quarter. The first set of results are due concurrent with submittal of the subsurface investigation report.

12. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.

PERMIT TO CONSTRUCT

New

Permit No. 90-215RR

Renewal

Modified

Gros Ventre West Water Storage Tank
(Name of Facility)

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

West Gros Ventre Butte Water District

P. O. Box 3584

Jackson, WY 83001

to construct an 80,000 gallon buried concrete water storage reservoir according to the procedures and conditions of the application No. 90-215RR. The facility is located in Sec 30, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities,

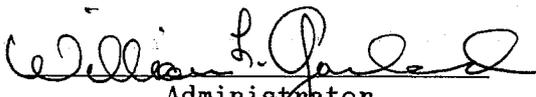
at the above location, for the purpose of compliance with the provisions of this construction permit.

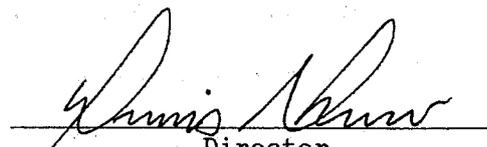
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality

August 29, 1990
Date of Issuance

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

SG/jyi

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-216R
Conditions on Permit

Blind Canyon Temporary Privy
(Name of Facility)

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

Mad River Boat Trips, Inc.

1060 South Highway 89

Jackson, WY 83001

to construct a temporary dry pit toilet on Bridger Teton National Forest according to the procedures and conditions of the application No. 90-216R. The facility is located in T37N, R117W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of four (4) 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 construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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

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

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

location, for the purpose of compliance with the provisions of this construction permit.

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

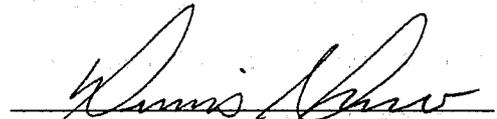
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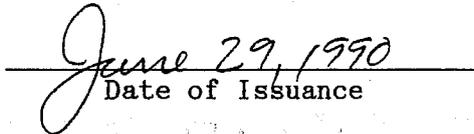
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

Conditions

- 1) Approval to construct this facility must be obtained from Bridger Teton National Forest officials prior to construction.
- 2) Biodegradable products and lime shall be utilized to minimize environmental impacts.
- 3) This facility shall be properly dismantled and reclaimed at the end of the season and no later than October 15, 1990.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-217R
Reference Permit #90-039

Intercity Water and Sewer District/Wastewater Treatment Facility
(Name of Facility)

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

Intercity water and Sewer District

2800 Sunset Drive

Rock Springs, WY 82901

to construct a wastewater irrigation system for watering trees and shrubs adjacent to the lagoon facility according to the procedures and conditions of the application No. 90-217R. The facility is located in NW 1/4, NE 1/4, Section 13, T18N, R106W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

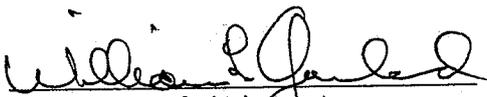
location, for the purpose of compliance with the provisions of this construction permit.

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

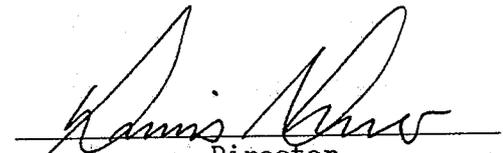
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

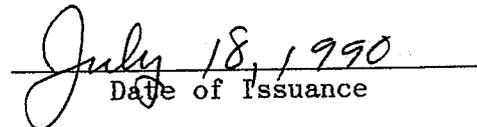
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 90-218R

Renewal

Modified

Ten Sleep - Cottonwood Street Waterline
(Name of Facility)

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

Town of Ten Sleep

P. O. Box 5

Ten Sleep, WY 82426

to replace a 2 inch galvanized waterline with a 6 inch PVC according to the procedures and conditions of the application No. 90-218R. The facility is located in Sec 21, T47N, R88W in the County of Washakie, in the State of Wyoming.

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

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities,

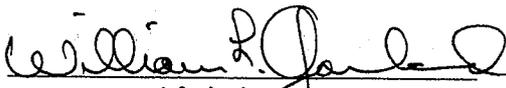
at the above location, for the purpose of compliance with the provisions of this construction permit.

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

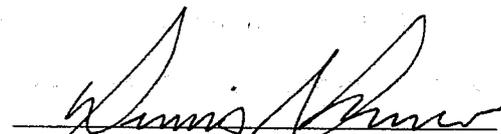
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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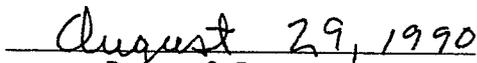
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

SG/jyi

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-219
Conditions on Permit

Tenneco Emergency Caustic Storage Pond
(Name of Facility)

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

Tenneco Minerals Company

P.O. Box 1167

Green River, WY 82935

to construct a double synthetically lined emergency caustic storage pond with a leak detection system according to the procedures and conditions of the application No. 90-219. The facility is located in NE 1/4, Section 31, T17N, R109W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

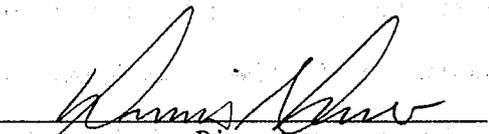
location, for the purpose of compliance with the provisions of this construction permit.

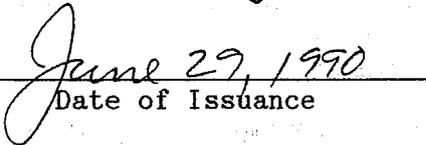
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

 _____ Administrator Water Quality Division	 _____ Director Dept. of Environmental Quality
--	--



Date of Issuance

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

Condition

- 1) In the event it is impossible to pump the caustic soda back into the caustic plant during a liner failure, the caustic soda shall be neutralized (to a pH \pm 7.0) as it is pumped into the plant run off ditching system.



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

11JEN101473



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

June 5, 1990

Mr. Jesse Schults
815 South 4th Street
Laramie, WY 82070

RE: As Built Approval for Septic System - Water Quality Permit #90-220
1442 Highway 230, Laramie, Wyoming

Dear Mr. Schults:

Based on the information you supplied concerning the septic system at the above referenced location, the Water Quality Division has determined that the septic system meets the minimum state standards for the isolation distances to wells, property lines, seasonal high groundwater, and septic tank sizing. Since the rate of infiltration cannot be accurately determined without a significant amount of excavation, the department cannot evaluate if the system is sized correctly. However, based on the 20 or more years of actual operating experience, the system appears to be adequately sized for the single family residence proposed for the site. The affect of any increased wastewater quantity or quality or improper maintenance cannot be determined.

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 permittee in the exercise of its 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 a permit to construct cannot be issued for as-built wastewater treatment facilities, this letter will serve as your final approval document. Be advised, that any modifications to the existing system in the future will require a permit prior to construction.

Sincerely,

William Garland
Administrator
Water Quality Division

WLG/SCF/jn

cc: Scott Forister, SE District

PERMIT TO CONSTRUCT

New

Permit No. 90-221R

Renewal

Modified

Riverton - North Broadway Water & Sewer Reconstruction
(Name of Facility)

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

City of Riverton

P. O. Box 1700

Riverton, WY 82501

to relocate existing water and sewer lines according to the procedures and conditions of the application No. 90-221R. The facility is located in Sec 27, T1N, R4E in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities,

at the above location, for the purpose of compliance with the provisions of this construction permit.

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

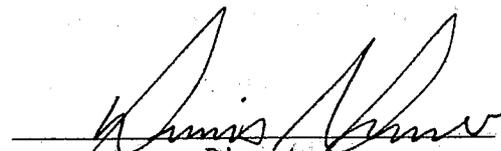
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

August 29, 1990
Date of Issuance

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

SG/jyi

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-222

New
Renewal
X Modified

FT STEELE REST AREA WATER TREATMENT MODIFICATIONS

This permit hereby authorizes the applicant:

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

to construct, install or modify modifications to water treatment system according to the procedures and conditions of the application number 90-222. The facility is located in Sections 26 & 35, T21N, R85W in the county of Carbon, 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: Southeast 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.

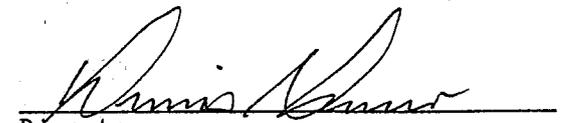
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

June 25, 1990
Date of Issuance

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

LBH/jt

xc: Noel Griffith, Jr, & Associates
2232 Del Range
Cheyenne, WY 82009

Civil Engineering Professionals Inc.
400 East 1st Suite 311
Casper, WY 82601



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

October 23, 1990

CERTIFIED

Doug Kissack
Kissack Water and Oil Service, Inc.
P. O. Box 9
Rozet, Wyoming 82727

RE: Shell Fox #1
Permit UIC 90-223 class I
Campbell County, Wyoming

Dear Mr. Kissack:

The above referenced permit is hereby suspended until reclamation of the wellsite has been demonstrated. Once this reclamation has been demonstrated, this permit will be terminated. The wellsite must be reclaimed in a manner consistent with industry practice for oil wells in this area. This well was plugged and abandoned October 17, 1990 in accordance with the above referenced permit. All wastewaters produced during the plugging operation must be properly disposed of in a permitted facility. A comprehensive report must be filed with this office on or before November 17, 1990 to describe fully the plugging and abandonment procedure followed.

As part of the procedure for discontinuance of injection operations, the department will require all records concerning this well be retained for a minimum of three years. At the conclusion of this three year period, you must contact this office prior to disposing of these records. If requested, you must provide these records to this department at the conclusion of the three year period.

Enclosed please find a copy of this department's inspection report on this well at the time of abandonment.

Sincerely,

William L. Garland, P.E.
Administrator
Water Quality Division

WLG/RL/jn
Enclosure

xc: Jake Strohman, DEQ/WQD



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

September 13, 1990

Doug Kissack
Kissack Water and Oil Service, Inc.
P.O. Box 9
Rozet, Wyoming 82727

RE: Shell Fox #1
Permit UIC 90-223 class I
Campbell County, Wyoming

Dear Mr. Kissack:

The public comment period ended yesterday for the above referenced permit. This department received no public comments on this permit. Enclosed please find a copy of this permit which completely replaces all previous permits on this well. This permit requires that the Muddy Formation be sealed off and the well be deepened to the Dakota Formation. This workover should be scheduled in the very near future.

Sincerely,

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

RL/jn

Enclosure

xc: Jake Strohman, DEQ/WQD

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF WYOMING
GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

() New

Permit Number:

(X) Modified

UIC 90-223

REF: UIC 87-380

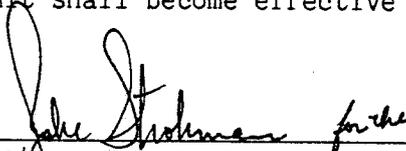
UIC CLASS 1 NON-HAZARDOUS

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

KISSACK WATER AND OIL SERVICE, INC.
P. O. Box 46
Rozet, Wyoming 82727
(307) 682-9026

is authorized to operate the Shell Fox #1 Disposal Well, in the NE1/4 NW1/4 S17, T50N, R69W, Campbell County, Wyoming as a commercial well for the disposal of oil field produced water and other industrial wastes according to the procedures and conditions of the application UIC 87-380 and all amendments and requirements and other conditions of the permit.

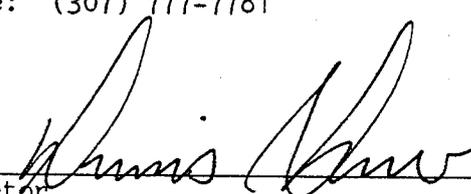
This permit shall become effective on date of issuance.



Administrator
Water Quality Division
Herschler Building, 122 W. 25th
Cheyenne, WY 82002
Phone: (307) 777-7781

9-12-90

Date



Director
Department of Environmental Quality
Herschler Building, 122 W. 25th
Cheyenne, WY 82002

9-14-90

Date

A. Discharge (Injection Zone and Area of Review)

The injection zone is within the Dakota Formation and consists of the perforated intervals and 6,900 to 6,930 feet below ground surface. Injection into any other subsurface interval is not authorized without prior approval. Discharge to the surface is not authorized by this permit. Construction of any holding pond on the surface is specifically not authorized under this permit. A previous permit on this well allowed injection into the Muddy Formation from 6,610 to 6,624 feet below ground. While the Muddy Formation is not an authorized receiver under this permit, leakage into the Muddy Formation will not be considered an MIT violation of this permit, provided that such leakage is contained in the Muddy Formation.

The Area of Review includes lands within the following described area:

Township 50 North, Range 69 West, 6th P.M.

Section 7: SE1/4SE1/4
Section 8: S1/2
Section 17: N1/2S1/2, N1/2
Section 18: E1/2NE1/4

B. Groundwater Classification

The water in the injection zone is Class VI:

1. Groundwater is located so as to make normal use economically and technologically impractical;
2. Groundwater in the receiving formations is associated with accumulations of hydrocarbons;
3. The Shell Fox #1 is adjacent to several other wells that are used for the injection of oil-field produced water, as authorized by the Wyoming Oil and Gas Conservation Commission;
4. The Shell Fox #1 has been used for the disposal of certain non-hazardous industrial wastes since December 1987 as authorized by the Water Quality Division of the Department of Environmental Quality;
5. The groundwater in the injection zone is in excess of 26,000 ppm in total dissolved solids.

C. Authorized Operations

The permittee is authorized to inject into the Dakota Formation through perforations at 6,900 to 6,930 feet below the surface, oil field produced water (SIC 13) and other industrial wastes. Existing sources of produced water have been identified in the application. New sources will be identified prior to injection. For purposes of definition, the Muddy Formation at 6,610 to 6,624 feet below the surface shall also be considered part of the receiver, but shall not be the target of intentional injection.

The permittee is authorized to inject certain other industrial wastes providing:

1. Hazardous waste as identified by the EPA under 40 CFR 261.3 is not to be injected under any circumstances.
2. Prior to injection of any other industrial waste, the permittee shall submit, in writing, a complete organic and in-organic chemical analyses for each waste to be injected. The exact chemical parameters to be analyzed for will vary from one waste to the next and shall be decided upon after consultation with the Water Quality Division. The submittal shall include the volume of waste to be injected and the duration of the injection. Injection shall not commence without authorization from the Water Quality Division.

The maximum discharge (injection) pressure shall not exceed 1,750 psig as measured at the surface of the injection tubing. The permittee shall perform a step rate injection test of the well after the Dakota Formation has been perforated and prior to injection into the Dakota. After the step injection test is run, the injection pressure shall be limited to 90% of the fracture pressure observed in this test.

The maximum discharge (injection) rate is limited to the volume which the well will accept at the maximum permitted pressure. It is anticipated that the maximum injection rate will be similar to the 2000 barrels per day authorized previously into the Muddy Formation. After the step injection test has been run, the department will set a maximum injection rate based on 90% of the fracture pressure, which shall not be exceeded under any circumstance.

The permittee may run additional step rate tests during the life of the permit, as his option. Based on the results of these tests, the maximum injection pressures and volumes may be adjusted by the department in accordance with the above paragraphs.

If at any time, the maximum authorized pressure or rate is exceeded, the permittee shall report this fact to the Administrator or his representative orally within 24 hours of his knowledge of the fact. A written submission shall be provided within 5 days of the time the permittee becomes aware of the circumstances.

The permittee shall pressurize the annulus between the long string casing and the tubing and hold pressure on this annulus continuously. The pressure on the annulus shall be maintained at more than 200 psig and less than 600 psig at all times. If at any time the annulus pressure varies outside these limitations, the permittee shall investigate and determine the cause. If the cause of this variation is a leak of any kind, a verbal report shall be made within 24 hours followed by a written report within 5 days.

D. Proper Operation and Maintenance

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

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

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

E. Entry and Inspection

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

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

F. Environmental Monitoring Program for Groundwaters of the State

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

- d. Names of individuals who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

The injection zone in the Dakota Formation is an oil producing formation overlain by the Muddy and Mowry Formations which is considered to provide an impermeable layer more than four times thicker than the injection zone. The cover of all formations separating this injection zone from the deepest source of useable water (Fox Hills Formation) is 4,180 feet, thus providing excellent separation between the receiver and any useable water. For this reason, no monitoring is considered necessary under this permit. The Water Quality Division reserves the right to require monitoring when and if the need for such monitoring becomes clear in the department's sole judgement.

G. Requirements for Monitoring the Discharge

Injection and annulus pressures and injection rate (volume) shall be monitored continuously using recording charts. In addition, a pressure switch shall be installed on the injection pressure that will preclude any possibility of a pressure violation of the permit. Records of maximum daily injection pressure and volumes shall be kept and be available for inspection by representatives of the Water Quality Division.

The permittee shall sample and analyze the water being injected not less than once a year. This analyses shall include the following list of parameters:

Potassium	Sodium	Calcium
Magnesium	Sulfate	Chloride
Carbonate	Bicarbonate	Total Dissolved Solids
pH		

A quarterly report is required to be submitted within 30 days of the end of each calendar quarter. This report shall contain:

1. The maximum and minimum daily injection pressure (not an average pressure, but an instantaneous pressure) and the maximum and minimum daily injection volume for each month within the quarter and the dates when these maximums and minimums were reached. The accumulated total volume of waste injected for each month and the accumulated total volume injected to date.
2. The maximum and minimum daily annulus pressure.
3. A typical analyses of each new source of oil-field produced water. These analyses shall include major anions and cations, pH and TDS. A more detailed analyses may be required by the Water Quality Division if circumstances warrant such action. The quarterly analyses of the injection stream required by this permit.
4. A complete list of all wastes other than oil field produced water.
5. The total volume of oil field produced water disposed of shall be provided. A list of all leases where oil field produced water originated shall also be provided along with the volume disposed of for each lease.

6. Results from any groundwater samples taken during the quarter.
7. Any non-compliance, MIT, or significant event during the quarter. Significant events include any test required by any section of this permit, any shutdown of the well caused by malfunction, and any workover performed on the well for any reason. Workovers all require prior approval by Water Quality Division.
8. The average injection pressure for each month during the quarter calculated by averaging the maximum pressures for each day.

H. Test Procedures

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

I. Records and Reports

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

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

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

J. Permit Actions

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

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

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

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

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

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

Public notice of the permit review and request for public comment will be made every 10 years by the administrator.

K. Mechanical Integrity

At a minimum of once every five (5) years, and more frequently if required by the Water Quality Division, the permittee shall demonstrate the continued sound and unimpaired condition of all components of the injection well by mechanical integrity testing. An injection well has mechanical integrity if there is no significant leak in the casing, tubing and packer; and if there is no significant movement of injected fluids through vertical channels adjacent to the well bore.

The absence of leaks will be determined by holding 1,500 psig on the annulus for 15 minutes. The permittee shall hold between 200 and 600 psig on the annulus continuously.

The absence of fluid movement through vertical channels shall be demonstrated by the use of a Radioactive Tracer Log and a Temperature Survey. These two logs together are sometimes referred to as an injection profile. A complete mechanical integrity test (including both the pressure test and the logs) shall be run before placing this well back on injection after perforating the Dakota Formation. Other logs, surveys, or methods may be substituted for the above logs with prior approval of the Water Quality Division.

The casing-tubing annulus shall be filled with water mixed with a corrosion inhibitor. The permittee shall submit, along with his first quarterly report after each workover, a description of the corrosion inhibitor used. Records of any fluid added to the annulus shall be kept and submitted along with the quarterly report.

The packer shall be set within 150 feet of a point 6,556 feet below ground surface.

L. Abandonment

Water Quality Division abandonment requirements shall be coordinated with requirements of the Wyoming Oil and Gas Conservation Commission. In no case shall the required abandonment procedure be less than that required by the Oil and Gas Conservation Commission for class II wells in the area at the time of abandonment.

At a minimum, the permittee shall squeeze cement through the perforations until no additional cement can be pumped. Fracture pressure of 1950 psig shall not be exceeded during this operation. After removing the tubing and packer, a cast iron bridge plug shall be set just above the perforations and 200 sacks of cement shall be spotted on top of this plug. In no case shall the surface casing be removed. If possible and desired, the long string casing may be recovered above the bottom plug. If this is done, the well bore shall be mudded up to meet the requirements of 35-11-404 of the Environmental Quality Act and Land Quality Regulations, Chapter 15. A 50 sack cement plug shall be required at the tops of the Mowry Formation, The Lance Formation, and at the base of the surface casing.

A standard, dry hole marker shall be erected over the abandoned well. The surface casing shall be blind flanged and the dry hole marker shall be welded to this flange.

M. Duties of the Permittee

It is a duty of the permittee to:

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

N. Financial Responsibility

The permittee has submitted the required Certificate of Financial Responsibility and has submitted the required financial statements.

O. Special Measures the Director Finds Necessary

At least once a year and more frequently if required by the Water Quality Division, the permittee shall shut the well in for a long enough period to observe a valid pressure fall off curve. This test shall be documented and shall be submitted with the quarterly report for the quarter in which it was

done. This test shall be considered complete when the pressure in the well becomes asymptotic to a horizontal line, or when the pressure on the injection line reaches a vacuum, whichever occurs first.

This well shall be identified with the name of the well, the legal description of the well, and the name of the operator, and the fact that this is a non-hazardous waste injection well on a sign to be posted at the wellhead, and on a second similar sign to be posted at the injection plant.

The injection plant is housed inside a building. Both the door to this building and the electrical controls to operate the pump shall be locked using a padlock at any time when the well is to be shut in for any cause. For purposes of this permit, the well is not shut in when it is available for injection, whether the pump is running or not at that particular time.

P. Special Permit Conditions:

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

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

Q. Signatories Requirement

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

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

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

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

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

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

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

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

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

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

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

S. Permit Transfer

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

T. Responsibilities

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

U. Property Rights

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

V. Severability

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

RL/jn

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-224

X New
Renewal
Modified

City of Cody Overflow Pond and Lagoon Reclamation Project

This permit hereby authorizes the applicant:

City of Cody
1338 Rumsey Avenue
Cody, WY 82414

to construct, install or modify overflow pond and lagoon reclamation according to the procedures and conditions of the application number 90-224. The facility is located in Tract 41, T53N, R101W 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.

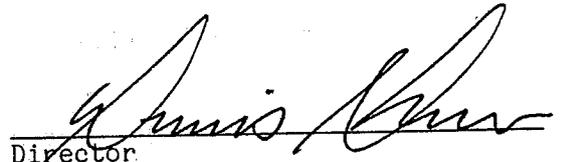
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

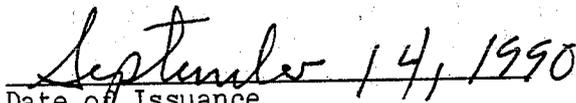
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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


Date of Issuance

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

SS/nc

cc: Roger Jacobson, Engineering Associates
EPA, Region VIII
Bob Kaufman, City of Cody
Grant File



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

September 10, 1990

Honorable Dorse Miller
Mayor, City of Cody
1338 Rumsey
Cody, WY 82414

RE: City of Cody, Wyoming C560139-94, DEQ/WQD Ref. No. 90-224, Approval of Plans and Specifications for Overflow Pond and Lagoon Reclamation Project

Dear Mayor Miller:

The plans and specifications for the construction of the Overflow Pond and Lagoon Reclamation Project have been reviewed by the State of Wyoming Department of Environmental Quality, Water Quality Division (DEQ/WQD). This office hereby approves the plans and specifications and is enclosing a permit to construct. This permit does not supercede the requirements for obtaining any permit from local or state agencies.

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

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

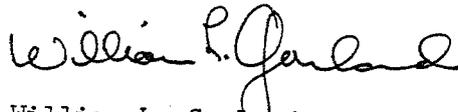
This is confirmation of our verbal authorization for the project to be advertised and bids opened. You are requested to furnish this office with the date this project is advertised and the date on which bids will be opened as soon as possible. You are reminded to complete the enclosed checklist and associated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

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

1. Contracts may not be awarded until authorization has been given by the Department of Environmental Quality.
2. Prior DEQ approval is required for rejection of bids on any contract on this project.
3. Current wage rates must be in the specifications prior to bid opening.
4. Bidders must submit with their bid a signed statement as to whether they have previously performed work subject to the President's Executive Order Number 11246.
5. Contact EPA if any questions arise concerning MBE/WBE utilization on this project.

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

Sincerely,



William L. Garland
Administrator
Water Quality Division

WLG/SS/nc

cc: EPA, Region VIII
Roger Jacobson, Engineering Associates
Bob Kaufman, City of Cody
Grant File

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-225

New
 Renewal
 Modified

WESTERN HILLS TWELFTH FILING WATER AND SEWER LINE

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
2100 Pioneer Avenue
Cheyenne, WY 82001

to construct, install or modify Distribution and Collection System according to the procedures and conditions of the application number 90-225. The facility is located in SW/NW Section 13, Township 14N, Range 67W in the county of Laramie, 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: Southeast 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.

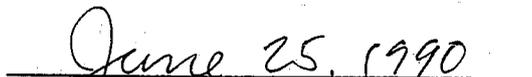
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

SCF/jn

cc: Bruce Perryman, AVI PC, 2035 Westland Road, Cheyenne, WY 82001

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION - SOUTHEAST DISTRICT
Herschler Building, 4th West
Cheyenne, Wyoming 82002

PROJECT: WESTERN HILLS TWELFTH FILING WATER LINE

APPLICANT: CHEYENNE BOPU
2100 PIONEER AVENUE
CHEYENNE WY 82001
307-637-6497

ENGINEER: AVI PC
2035 WESTLAND ROAD
CHEYENNE WY 82001
307-637-6017

WATER QUALITY DIVISION REFERENCE NUMBER: 90-225

REVIEWING ENGINEER: Scott Forister, Senior Analyst *SF*

APPROVING ENGINEER: Louis Harmon, SE District Supervisor

DATE OF REVIEW: June 15, 1990

ACTION: NOT AUTHORIZED TO CONSTRUCTION.

COMMENTS:

1. SANITARY SEWER

- a. The Engineering Design Report as outlined in Chapter XI, Section 6 (b) (ii and iii), must be included with the permit application before a complete review can be accomplished.
- b. The blow-off valve proposed for the sanitary sewer at sta. 3+02 on Hawthorn must be certified for use in this application. Also, it appears that a blow-off valve in this location may hinder the performance of the sanitary sewer upstream. More specific information on the workability of the valve should be submitted before it can be approved by this division.

2. WATER MAIN

- a. The Engineering Design Report must include the items in Chapter XII, Section 6 (a) and (b). The Water Quality Division during the review of these plans received a complaint of low water pressure on Oakhurst Drive. The report should document the working pressures of the existing system and that the proposed system will meet the minimum pressure requirements outlined in Chapter XII, Section 14 (b)(i).
- b. The watermain on Michael Drive must terminate with a blow-off valve at sta. 2+00.



/jn

RE

PERMIT TO CONSTRUCT

PERMIT NO. 90-226
REF: 89-217
SEE SPECIAL CONDITIONS

New
Renewal
 Modified - Change of Owner

JACKSON HOLE AIRPORT

This permit hereby authorizes the applicant:

Jackson Hole Airport
P O Box 159
Jackson, WY 83001

to construct, install or modify a 4 inch sewer main according to the procedures and conditions of the application number 90-226. The facility is located in Section 14, T42N, R116W in the county of Teton, 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: Northwest District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone (307) 332-3144.

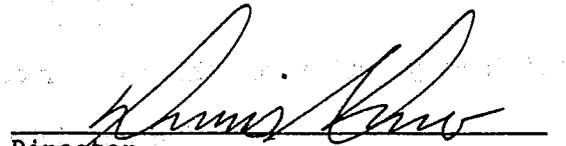
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

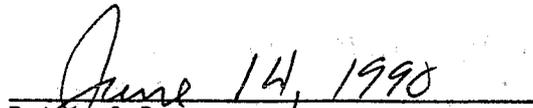
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

Conditions for Permit to Construct 90-226

1. The car wash facility is to be a temporary facility and shall not be operated for over three years without upgrading the wastewater treatment facility.
2. In no case shall the total wastewater flows exceed the design flows of 17,262 gallons per day.

SG/jn

cc: Budget Rent-A-Car, Box 2558, Jackson, Wyoming 83001

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-227
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

FIRST SOUTHERN BAPTIST CHURCH SEPTIC TANK AND DRAINFIELD

This permit hereby authorizes the applicant:

FIRST SOUTHERN BAPTIST CHURCH OF RAWLINS
P.O. Box 355
Rawlins, WY 82301

to construct, install or modify septic tank and drainfield according to the procedures and conditions of the application number 90-227. The facility is located in Section 3, T21N, R87W in the county of Carbon, 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.

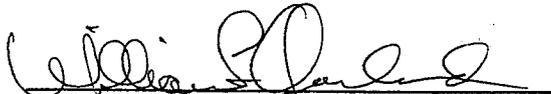
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

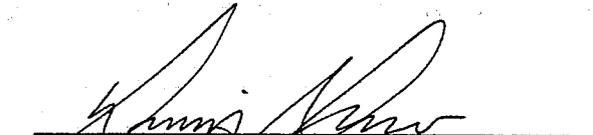
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

June 14, 1990

Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-227

1. The installed septic tank and drainfield piping must be inspected by the engineer for conformance to plans and specifications before being covered. An inspection report signed by the engineer must be forwarded to the DEQ/WQD before the system is placed in operation.
2. At such time as the regional waste treatment collection system is extended to within 150 feet of the property, connection must be made and this facility must be properly abandoned.

LBH\nc

cc: Coffey Engineering & Surveying, 2110 Garfield, Laramie, WY 82070

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-228
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

ROLLING HILLS WELL NO. 5 PIPING

This permit hereby authorizes the applicant:

TOWN OF ROLLING HILLS
COAL CO. RTE. BOX U-12
GLENROCK, WY 82637

to construct, install or modify water pipeline according to the procedures and conditions of the application number 90-228. The facility is located in Section 15, T34N, R75W in the county of Converse, 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: Southeast 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.

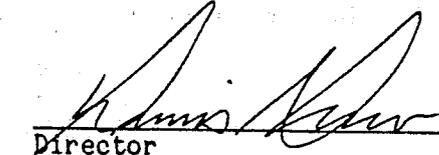
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

June 14, 1990
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-228

1. The gate valve to isolate the Main Guard hydrant is not shown in the detail. This valve is necessary.
2. The air valve detail is inadequate. An air valve installed as shown as part of the air valve assembly without the gate valve would be adequate.
3. The check valve and 2 inch gate valve should either be flanged or else include a union to facilitate replacement.

LBH\nc

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

PERMIT TO CONSTRUCT

PERMIT NO. 90-229
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

DENS ADDITION WATER AND SEWER EXTENSION

This permit hereby authorizes the applicant:

Pam Reid
428 South Grant
Casper, WY 82601

to construct, install or modify a Distribution and Collection System facility according to the procedures and conditions of the application number 90-229. The facility is located in NW/SW Section 19, Township 33N, Range 79W 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.

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.

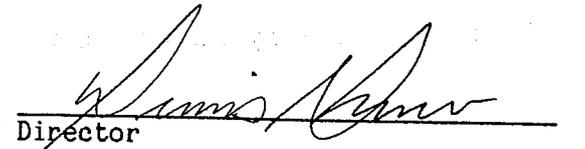
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

June 29, 1990
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-229

1. Note 3 on the plans indicates that the tap into the 8" sewer main is temporary until the 12" sewer is continued north. A variance is hereby granted from Chapter XI, Section 9(c)i(E) with the condition that a time schedule for the continuation of the 12" sewer main will be submitted to the Water Quality Division within 30 days of issuance of this permit. This permit is issued with the condition that the schedule will meet the approval of this division, and that the proposed 12" sewer main will in fact be constructed according to the approved schedule. If this condition cannot be met the sewer extension will have to be downsized to 8" or less from station 0+00 to 2+09, and the Casper Board of Public Utilities shall be in violation of W.S. 35-11-301 and therefore subject to penalties under W.S. 35-11-901.

SCF/mad

cc: Dave Hill, Casper BPU, 200 North David, Casper, WY 82601-1895

PERMIT TO CONSTRUCT

PERMIT NO. 90-230
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

OSAGE GATHERING PIPELINE ANODES

This permit hereby authorizes the applicant:

Permian Operating Limited Partnership
5900 East Yellowstone Highway
P. O. Box 1970
Casper, WY 82602-1970

to construct, install or modify a deep groundbed anode system according to the procedures and conditions of the application number 90-230. The facility is located Section 14, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Township 46 North, Range 64 West in the County of Weston, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

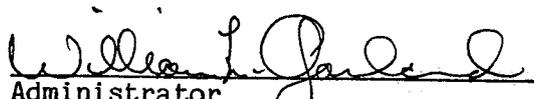
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

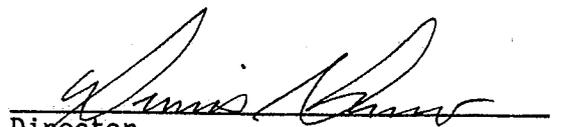
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

June 25, 1990
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT TO CONSTRUCT 90-230

1. The cathodic protection deep anode ground bed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-230.
2. After the deep anode bed has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after the well is plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:
 - a. A bentonite grout seal shall be installed to a depth of 5 feet from the surface. A second bentonite seal shall be installed just above the coke breeze to a depth of 5 feet above the coke breeze. If the space between these seals is less than 30 feet, it shall all be filled with bentonite. If this interval is over 30 feet it may be filled with drill cuttings.
 - b. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension.
 - c. The coke breeze shall be a high quality product containing a minimum of leachable metals, or organic pollutants.
4. Within 45 days after the well is installed, as built construction plans shall be submitted to the Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during the installation of the groundbeds.

Conditions to Permit 89-250 (continued)

5. Up to 25 similar anodes may be installed during the term of this permit and in the same township covered by this permit. All installations are to have similar construction specifications.

RL/jn

cc: Jake Strohman, DEQ/WQD

af

PERMIT TO CONSTRUCT

PERMIT NO. 90-231

X New
Renewal
Modified

DELL RANGE EAST RECONSTRUCTION PHASE I

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
2100 Pioneer Avenue
Cheyenne, WY 82001

to construct, install or modify Collection and Distribution System for the Construction of a Storm Sewer according to the procedures and conditions of the application number 90-231. The facility is located in South Half, Sections 22 & 23, Township 14N, Range 66W in the county of Laramie, 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.

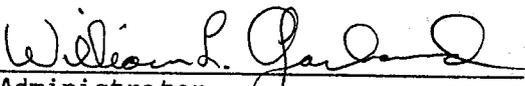
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

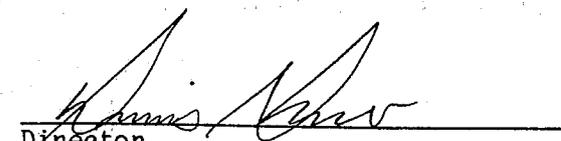
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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.

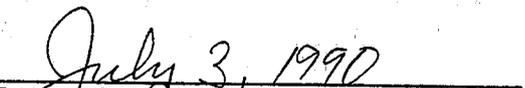
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

SCF/nc

cc: Peter Abplanalp, Intermountain Professional Services, Inc.
1816 Central Avenue, Cheyenne, WY 82001

LAND APPLICATION PERMIT

Permit No. 90-232
(Ref. 89-203R)
SEE SPECIAL CONDITIONS

ELK CREEK ROAD DUST CONTROL #3
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads 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 until November 1, 1990.

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.

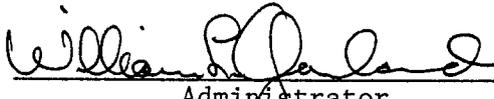
Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the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

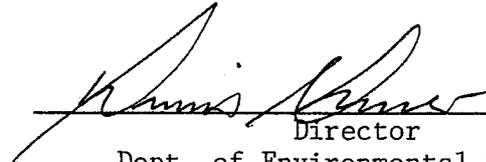
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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.

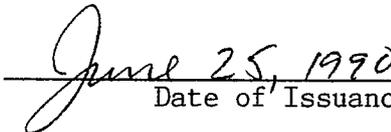
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

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

August 9, 1990

ARCHIVE

Mr. Richard E. Oetting
Frontier Texaco
P.O. Box 1771
Jackson, WY 83001

RE: Vapor Monitor Wells "As-Built" Approval
WQD Ref. No. 90-233

Dear Mr. Oetting:

This letter is in response to your request for "as-built" approval of the vapor monitor wells installed at Frontier Texaco in Jackson, Wyoming. After reviewing the submittal, these wells appear to meet the minimum design standards for the State of Wyoming. A "Permit to Construct" cannot be issued since the the facilities have already been constructed. Please retain this letter as verification that the well construction has been accepted by the Wyoming Department of Environmental Quality with the following conditions:

1. Vapor monitoring wells shall be clearly marked and secured to prevent unauthorized access and tampering. The wells shall be clearly numbered.
2. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitoring wells shall be reported immediately to the Water Quality Division in Lander, Wyoming.
3. Keys for the locked monitoring wells shall be kept on site at all times.
4. The vapor detection monitor shall be capable of detecting a significant increase above background of the regulated substance, a component or components of the substance, or a tracer compound. The background concentration must not interfere with the ability of the method used to detect releases.
5. The vapor monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's instructions, including routine maintenance and service checks for operability or running condition.
6. The measurement of vapors by the monitoring device shall not be rendered inoperative by the ground water, rainfall, soil moisture, or other known interferences so that a release could go undetected for more than 30 days.

- 
7. All vapor monitor wells associated with this facility shall be sampled and analyzed monthly for organic hydrocarbons or DEQ approved tracers. Vapor measurement results shall be recorded monthly for each well. A copy of these results shall be kept on site and submitted annually to the DEQ office in Lander.
 8. The DEQ shall be notified within 24 hours whenever a vapor monitor indicates a suspected release.
 9. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of 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.

Sincerely,

Kevin D. Frederick

Kevin D. Frederick
Environmental Senior Analyst
Water Quality Division

PERMIT TO CONSTRUCT

Permit No. 90-234

- New
 Renewal
 Modified

Rock Springs Wastewater Treatment Plant
(Name of Facility)

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

City of Rock Springs

212 "D" Street

Rock Springs, WY 82901

to construct additional sludge drying beds according to the procedures and conditions of the application No. 90-234. The facility is located in Section 33, T19N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

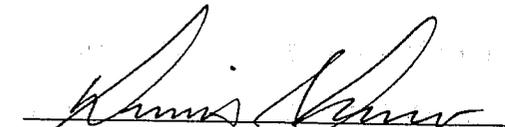
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

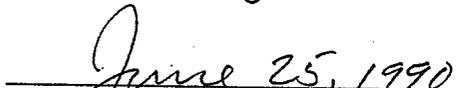
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION PERMIT

Permit No. 90-235
SEE SPECIAL CONDITIONS

FENCE CREEK ROAD DUST CONTROL # 1
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Sections 22, 27, 34, T.57N., R.78W., in the County of Sheridan in the State of Wyoming. This permit shall be effective until November 1, 1990.

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 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.

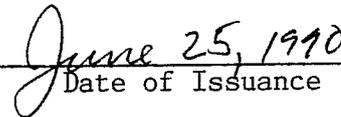
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

LAND APPLICATION PERMIT

Permit No. 90-236
SEE SPECIAL CONDITIONS

FENCE CREEK ROAD DUST CONTROL # 2
(Name of Facility)

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

Fred L. Oedekoven

481 Recluse Road

Recluse, Wyoming 82725

To land apply produced water to roads for dust control. The application site is located in Section 9, T.56N., R.78W., in the County of Sheridan in the State of Wyoming. This permit shall be effective until November 1, 1990.

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.

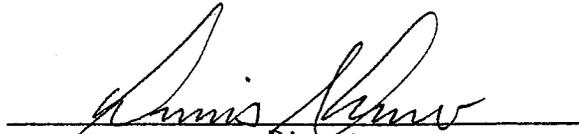
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with provisions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

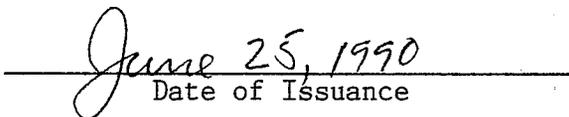
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced water 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. Produced water application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect until November 1, 1990. Any produced water application after that time must be reauthorized by the Water Quality office.
4. This permit is contingent on the applicant receiving approval from the appropriate Federal agency should application occur on Federal lease roads, or should produced water from Federal leases be used for application.

BDJ:jj

xc: BLM - Buffalo Resource Area
189 N. Cedar
Buffalo, Wyoming 82834

PERMIT TO CONSTRUCT

PERMIT NO. 90-237
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

ALBIN WATER SYSTEMS IMPROVEMENTS SCHEDULE I & II

This permit hereby authorizes the applicant:

TOWN OF ALBIN
P. O. Box 94
Albin, WY 82050

to construct, install or modify water distribution system improvements according to the procedures and conditions of the application number 90-237. The facility is located in Sections 20 & 29 T17N R60W in the county of Laramie, 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.

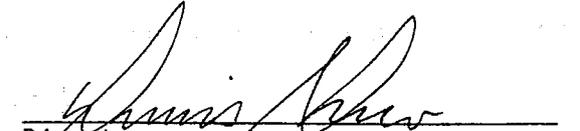
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

August 22, 1990
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-237

1. Despite the statement made in paragraph 4 of the Special Conditions, design of the water storage tank remains the responsibility of Wells Engineers. The use of pre-engineered products is common through out the construction industry but the engineer of record has the final responsibility for the adequacy of the design.

LBH/mad

cc: WELLS ENGINEERS INC.
570 West 44th Ave Suite 100
Denver, CO 80216

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-238R

MEMORIAL HOSPITAL OF SHERIDAN COUNTY
FIRE PROTECTION WATER Line
(Name of Facility)

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

Memorial Hospital of Sheridan County

1401 West 5th Street

Sheridan, WY 82801

to construct, install or modify a fire protection water line facility according to the procedures and conditions of the application No. 90-238R. The facility is located in Section 21, T.56N., 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 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, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

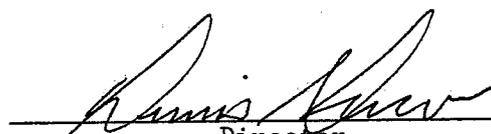
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

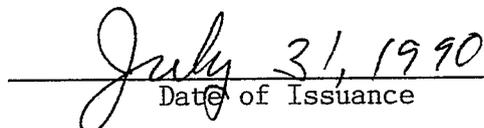
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

GPB:jj

xc: Joseph L. Feeley
TSP Two, Inc.
Box 1039
Sheridan, WY 82801

PERMIT TO CONSTRUCT
CONDITIONS

- New
 Renewal
 Modified

Permit No. 90-239

Go Gas Site
(Name of Facility)

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

Groundwater Technology Government Services, Inc.

7346 South Alton Way, Suite A

Englewood, CO 80112

to construct, install, or modify Groundwater monitor wells; vapor extraction wells; soil borings; and piezometers according to the procedures and conditions of the application No. 90-239. The facility is located in the City of Worland, Sec 25, T47N, R93W in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of one (1) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

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

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

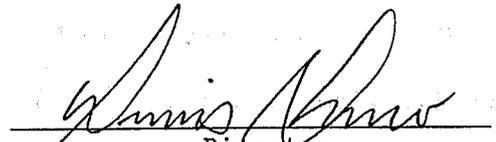
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

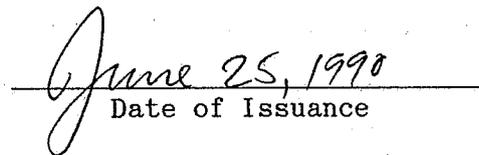
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

Conditions for Monitoring Wells

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-239. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Except for streets, alleys, roads, highways, and associated Right-of-Ways, after the soil borings and monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of 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 WQD. Borings within streets, alleys, roads, highways, and associated Right-of-Ways that are to be abandoned shall be backfilled with a clean sand slurry mixed with cement at a 1:100 ratio before resurfacing to grade with a comparable material of equal or better quality.
3. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.
4. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;

- e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - g. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
5. Boreholes converted to groundwater monitor or soil vapor extraction wells in driving lanes of streets, alleys, roads, and highways shall be constructed in accordance with the construction details submitted with the permit application, except that a non-shrink grout shall be used in lieu of bentonite to seal the well.
6. Boreholes converted to groundwater monitor or soil vapor extraction wells in parking lanes of streets, alleys, roads, and highways shall be constructed in accordance with the construction details submitted with the permit application, except that a non-shrink grout will be used in lieu of native fill in that area above the bentonite seal and below the cement cap.
7. Street box lids over groundwater monitor or soil vapor extraction wells in streets, alleys, roads, and highways shall not exceed an elevation greater than 1" above the surrounding existing surface. For those lids at an elevation of 0" to 1/2" above surrounding existing surface, replacement surfacing shall be feathered out to a distance of 12" from the well in all directions to meet the existing surface.

For those lids at an elevation of 1/2" to 1" above the surrounding existing surface, replacement surfacing shall be feathered out to a distance of 24" from the well in all directions to meet the existing surface.



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

RECEIVED

FEB 7 1991



WATER QUALITY DIVISION
Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

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

February 5, 1991

Mr. Don Young
Park County Fire District No. 2
1002 Sheridan Avenue
Cody, WY 82414

RE: Fire Training Center M.W. "Permit to Construct"
WQD Ref No. 90-240

Dear Mr. Young:

I am returning the "Permit to Construct" application package for the above referenced facility. It is my understanding that all existing monitor wells and soil borings were "as-built" approved by Glen Garton in Permit No. 91-007. All future monitor wells and soil borings must be permitted prior to installation.

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

Sincerely,

Steve Gerber, P.E.
Northwest District Supervisor

SG/jyi

cc: IPS, DEQ/WQD, Cheyenne

under 91-007

90-241

LOCKE

UPRR LEROY WYOMING

DATE	ACTION	60-DAY
06/18/90	UR	08/18/90
7/30/90	AW (DG)	
<i>nothing in file</i>		

RF.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 90-242

Shute Creek Evaporation Pond
 (Name of Facility)

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

Exxon Company, U. S. A.

P. O. Box 81

Frontier, WY 82121

to modify a spray evaporation system for evaporation pond No. 1 facility according to the procedures and conditions of the application No. 90-242. The facility is located in Sec 14, T22N, R112W in the County of Lincoln, in the State of Wyoming.

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

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

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

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

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

location, for the purpose of compliance with the provisions of this construction permit.

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

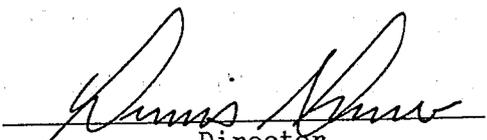
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

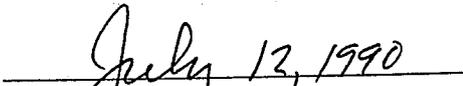
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

*Patti
Burns*

RECEIVED

MAR 1 1993



Department of

Environmental Quality
WATER QUALITY DIVISION
WYOMING

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

ABANDONED MINES
(307) 332-5085

AIR QUALITY
(307) 332-6755

LAND QUALITY
(307) 332-3047

SOLID & HAZARDOUS WASTE
(307) 332-6924

WATER QUALITY
(307) 332-3144

February 25, 1993

Virgil Love
722 Amoretti
Thermopolis, WY 82443

Re: *As Built Approval* - Virgil Love Septic System, 90-243R

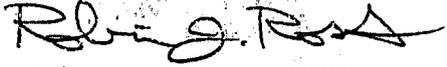
Dear Mr. Love:

The Water Quality Division has reviewed wastewater application number 90-243R concerning the septic system for the residence owned by Virgil Love located at 1533 Owl Creek Route in Thermopolis, Wyoming. The Water Quality Division has determined that the septic system meets the minimum state standards for isolation distances to wells, property lines, seasonal high groundwater, etc., and that the septic tank is adequately sized. Since the drainfield size cannot be determined without digging up the entire system, the department cannot evaluate if the system is sized correctly. However, based on 16 years of actual operating experience, the system appears to be adequately sized for current conditions of 8 people on year round usage. The affect of any increased wastewater quantity or quality or improper maintenance cannot be determined.

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 permittee in the exercise of its activities allowed under this letter. The permittee understands that it is solely responsible to any third parties for any liabilities 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 a permit to construct cannot be issued for as-built wastewater treatment facilities, this letter will serve as your final approval document.

Sincerely,



Robin J. Ross, EIT
Water Quality Division

RR/rjr

cc: Morris M. Moore
Larry Robinson, DEQ/WQD, Cheyenne
file (2)



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

RECEIVED

90-243
JAN 19 1993



WATER QUALITY DIVISION
WYOMING

Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

ABANDONED MINES
(307) 332-5085

AIR QUALITY
(307) 332-6755

LAND QUALITY
(307) 332-3047

SOLID & HAZARDOUS WASTE
(307) 332-6724

WATER QUALITY
(307) 332-3144

FACSIMILE

NO. of PAGES : 5 (including this page)

DATE : 01/14/92 & 01/15/92

TO : Patti Burns

777-7080 (PHONE)

FROM : Robin Ross

332-3144 (PHONE)

COMMENTS : Patti: This project was
not correctly noted;
but I did send out
another status letter
since it is an as-built approval.

Thanks!

Robin

REVIEW OF SMALL WASTEWATER FACILITY PLANS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln Street
Lander, WY 82520
(307) 332-3144

OWNER/APPLICANT: Virgil Love
ADDRESS: 1533 Owl Creek Route
Thermopolis, WY 82443
WATER QUALITY DIVISION REFERENCE NUMBER: 90-243R
REVIEWING ENGINEER: Jeff Hermansky, P.E. *anc jwh*
DATE OF REVIEW: August 15, 1990
ACTION: Not approved
COMMENTS:

This office has received your letter indicating that your septic tank/leach field application was for an already constructed system. Constructing any wastewater disposal system in Wyoming without first obtaining a permit is a violation of the Environmental Quality Act. Rather than resorting to legal action for this violation, we would prefer to see if your system meets the standards required for septic tank/leach field systems and then write a letter of authorization. In order to do this we need the information requested in Mr. Gerber's July 25, 1990 letter.

Please respond within 30 days to the following questions which were already presented:

1. Provide a site map showing leach system in relation to property boundaries, water well, house, driveway and parking areas.
2. Percolation tests must be run in the location of and at the depth of the leach tank. Sizing evaluation cannot be conducted without this information.
3. Provide details of how the leach tank is constructed and bedded.
4. Is the septic tank circular as shown on the plan sheet or rectangular as shown on the detail sheet?
5. High groundwater table is listed at 10 feet. When was the backhoe pit dug?

Make the required additions to your application and resubmit our office for approval. If you have any questions do not hesitate to contact me.

JH/anc



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

FILE
COPY



Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

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

CERTIFIED P 584 340 662

January 30, 1991

Virgil Love
1533 Owl Creek Route
Thermopolis, WY 82443

Dear Mr. Love:

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

Facility Name:	<u>Love Sentic Tank/Leach Pit</u>
DEQ/WQD Reference Number:	<u>90-243R</u>
Engineering Consultant:	<u>N/A</u>
DEQ/WQD Review Engineer:	<u>Jeff Hermansky</u>
Date of DEQ/WQD Review:	<u>August 15, 1990</u>

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

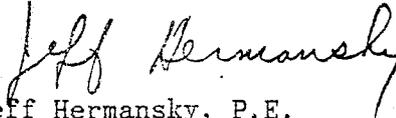
- The application will not be resubmitted as the proposed project has been canceled.
- The application will be resubmitted within thirty (30) days.
- The facility has been constructed, or is under construction. As-built construction plans and specifications will be submitted within thirty (30) days.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

Virgil Love
January 30, 1991
Page 2

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,



Jeff Hermansky, P.E.
Water Quality Evaluator

JH/anc

P 584 340 682

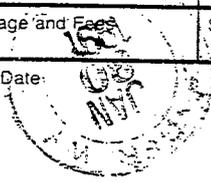
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1985-234-555

PS Form 3800, June 1985

Sent to <i>Virgil Love</i>	
Street and No. <i>1533 Owl Creek Rte</i>	
P.O., State and ZIP Code <i>Thermopolis, WY 82443</i>	
Postage	\$ <i>25</i>
Certified Fee	<i>85</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	<i>90</i>
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <i>200</i>
Postmark or Date:	

K.F.

PERMIT TO CONSTRUCT

PERMIT NO. 90-244
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

RIVERSIDE WELL PROJECT

This permit hereby authorizes the applicant:

Wyoming Water Development Commission
c/o PMPC
P.O. BOX 370
Saratoga, WY 82331

to construct, install or modify aquifer test well, to be subsequently converted to municipal water supply according to the procedures and conditions of the application number 90-244. The facility is located in NW 1/4 S4, T14N, R83W in the county of Carbon, 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: Southeast 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.

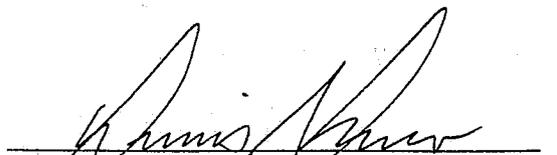
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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.

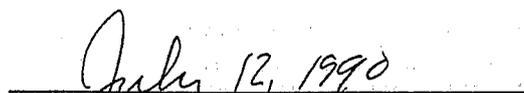
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-244

1. This permit is for the construction of one aquifer test well and one observation well only. Any additional construction leading to a public water supply system connected to this well, to include a pump in the well, must be permitted on a new and separate application.
2. It is suggested, but not a regulatory requirement at this stage of the process, that complete water quality data be determined. The sample should be collected from the aquifer test well near the end of the extended test pumping period. Before the well can be included in a public water supply system complete testing to satisfy U.S. Safe Drinking Water Act criteria must be accomplished. Doing it now will save a couple of months later on in the construction cycle of a new public water supply system.

LBH\nc

cc: Town of Riverside, P O Box 94, Riverside, WY 82325

R7

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF WYOMING
GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

(X) New

Permit Number:

() Modified

UIC 90-245
CLASS 5X27

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

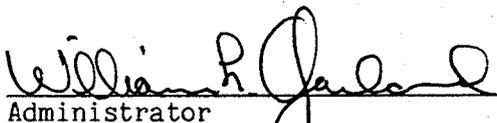
Weston Engineering
P O Box 260
Upton, Wyoming 82730-0260
(307) 468-2427

is authorized to operate

a short term acidizing project for the rehabilitation of municipal water supply wells, Upton No. 6 for the Town of Upton, Wyoming

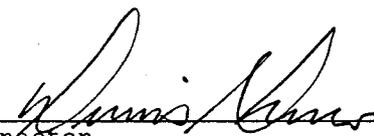
according to procedures and conditions of the application 90-245 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.



Administrator
Water Quality Division
Herschler Building, 122 W. 25th
Cheyenne, WY 82002
Phone: (307) 777-7781

June 26, 1990
Date



Director
Department of Environmental Quality
Herschler Building, 122 W. 25th
Cheyenne, WY 82002

June 26, 1990
Date

A. Discharge (Injection) Zone and Area of Review

The injection zone is limited to the Madison Formation aquifer in Upton No. 6 water well. There are no other wells within a 1/4 mile radius of these wells.

B. Groundwater Classification

The Madison Formation in this well is class I under Chapter VIII of the Wyoming Water Quality Rules and Regulations.

Nothing may be injected into this formation except acid for the purpose of improving the flow characteristics of the wells. At the conclusion of the acidizing job, acid pumped in shall be pumped back out and disposed of off site in an approved manner.

C. Authorized Operations

The permittee is authorized to inject up to 30,000 gallons of 15% hydrochloric acid into the well covered by this permit. At the conclusion of the treatment, this acid, which should then consist of a calcium chloride solution, will be withdrawn from the well for disposal off site. Water shall be pumped from each well until the pH and TDS has returned to baseline values before the injection.

The spent acid solution shall be disposed of off site in an approved manner, or may be discharged on site if the TDS is less than 5,000 mg/l and if an NPDES permit is either waived by the department or granted for this discharge. If off site disposal is selected, the following deep injection facilities are hereby approved to accept this waste:

NAME OF INJECTION WELL	OWNER'S NAME	UIC PERMIT NUMBER
Morse Ranch #4	Oedekoven Water and Hot Oil Service	87-457
C-H Minnelusa Unit	Prima Exploration	89-198
Shell Fox #1	Kissack's Water and Oil Service	87-380
Horse Creek Federal 1-8	Kissack's Water and Oil Service	88-018

The above list of deep injection wells are the only injection wells in Wyoming presently permitted to accept commercial waste. The owner of the facility selected shall be provided with a copy of this permit for his files.

Disposal in any other facility including an on site evaporation pond will require Water Quality Division approval prior to disposal.

Injection at pressures above the fracture pressure of the Madison Formation for the purpose of enhancing the flow characteristics of the permitted wells is hereby approved.

This permit does not permit the disposal of any waste into this well. This prohibition includes both non-hazardous industrial waste, municipal waste, and hazardous waste as defined by 40 CFR 261.3.

This permit shall expire after one treatment of the wells has been accomplished. The total length of time allowed for injection under this permit shall not exceed at total of 24 hours actual pumping time, and the total elapsed time between the first injection under this permit and the final injection under this permit shall not exceed 30 days.

D. Proper Operation and Maintenance

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

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

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

E. Entry and Inspection

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

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

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 3 years after closure of the facility.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:-----

Because of the very short term nature of this discharge, no monitoring of other wells is required.

G. Requirements for Monitoring the Discharge

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

The discharge volume and pressure shall be recorded and submitted to the department at the conclusion of the acidizing job.

H. Test Procedures

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

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.
2. The permittee shall give notice to the administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

4. Monitoring results shall be reported at intervals specified in Section C and/or Section G of this permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state.
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable groundwaters of the state.

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

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

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

J. Permit Actions

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

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

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

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

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

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

Public notice of the permit review and request for public comment will be made every 10 years by the administrator.

K. Mechanical Integrity

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

Acid shall be pumped into these wells through a treating pipe and packer arrangement hung inside the surface casing in such a manner as to preclude the direct contact of acid with the surface casing. There is no requirement to prove mechanical integrity at the conclusion of the acidizing job.

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

L. Abandonment

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

M. Duties of the Permittee

It is a duty of the permittee to:

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

N. Financial Responsibility

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

Nothing is required for this short term permit.

O. Special Measures the Director Finds Necessary:

None required.

P. Special Permit Conditions:

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

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

Q. Signatories Requirement

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

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

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

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

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

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

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

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

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

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

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

S. Permit Transfer

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

T. Responsibilities

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

U. Property Rights

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

V. Severability

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

/nc

RF.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 90-246R

Patrick Draw Evaporation Pond
(Name of Facility)

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

Wyoming Highway Department

P. O. Box 1708

Cheyenne, WY 82002-9019

to construct, install, or modify a evaporation pond with leak detection to service equipment wash bay facility according to the procedures and conditions of the application No. 90-246R. The facility is located in SW 1/4, Sec 8, T19N, R98W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

location, for the purpose of compliance with the provisions of this construction permit.

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

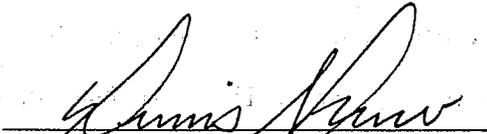
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

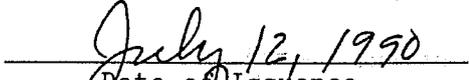
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

R7

PERMIT TO CONSTRUCT

PERMIT NO. 90-247
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

WHD STATEWIDE LAND APPLICATION OF SUMP WASTE

This permit hereby authorizes the applicant:

Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82002

to construct, install or modify land application of managed sump waste according to the procedures and conditions of the application number 90-247. The facility is located STATEWIDE, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

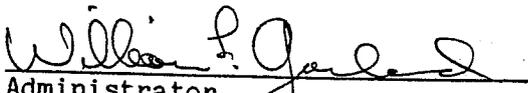
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

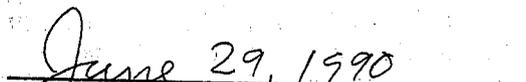
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-247

1. The testing program shall be patterned after the Casper Board of Public Utilities program. A copy of this procedure is attached. This procedure is a series of screens which if failed trigger detailed analysis. A copy of the test form to be used by the WHD should be submitted to DEQ/WQD for inclusion with the permit files within 90 days on the issuance of this permit. At any time DEQ/WQD may require revised testing procedures as necessary to comply with U.S. EPA regulations.
2. The appropriate DEQ/WQD district shall be notified of any sump that fails to meet disposal criteria within 30 days of such test.
3. All sumps shall be disconnected from drainfields that provide subsurface liquid disposal within two years from the issuance of this permit.

LBH/jn

cc: DEQ/WQD Districts
Small Wastewater Program Agencies
Waste Water Treatment Facility Manager
Casper BPU
200 North David
Casper, WY 82601

WASTE TRACKING MANIFEST

No. _____

City of Casper — Board of Public Utilities

200 No. David · Casper, WY · (307) 235-8479

Disposal Fee _____

S A M P L I N G	TYPE OF WASTE	# OF SLUMPS # OF SAMPLES	SAMPLES SEALED	VOLUME _____' x _____' x _____' x 7.48
	SOURCE SAMPLED	EQUIPMENT USED	CIRCLE ONE COMP GRAB	_____ GALLONS
Potentially Toxic Materials a. From Materials Safety Data Sheets (MSDS) _____ b. Potential Pesticides _____ c. PCB's used in any processes? _____ d. Other Heavy Metals suspected (As, Ba, Hg, Se) _____				
WITNESS				
I certify that I was present at the time the above sample was taken and verify the information noted.			I certify that I have obtained a representative sample of the above described waste.	
Signature of Authorized Agent _____		Date _____	Time _____	WWTP Representative _____
		Date _____	Time _____	

W A S T E C H A R A C T E R I Z A T I O N	1. Hazardous Material Criteria		Circle Value	
	a. Is pH between 5 and 9?	(Y/N) _____		If the answer to 1 a-c is yes in every case, go to section 2.
	b. Is the flash point $\geq 60^{\circ}\text{C}$?	(Y/N) _____		If the answer to any question is no, the material cannot be accepted at the WWTP.
	c. Is the cyanide ≤ 0.5 ppm?	(Y/N) _____		
	d. What is the sulfide conc.?	_____		
2. Total Soluble Metals		Circle Value		
a. Is the total soluble metals determination amount less than 1 ppm? (Y/N)	_____			
If yes, go to section 3. If no, go to 2b.				
b. Are all of the soluble heavy metals less than the designated maximum levels as shown in parenthesis?				
Cadmium (0.1 ppm) (Y/N)	_____	Nickel (0.4 ppm) (Y/N)	_____	
Chromium (5.8 ppm) (Y/N)	_____	Lead (5.0 ppm) (Y/N)	_____	
Copper (3.2 ppm) (Y/N)	_____	Zinc (5.8 ppm) (Y/N)	_____	
If yes, go to section 3. If no, the material cannot be accepted at the WWTP.				
3. Total Petroleum Hydrocarbons (TPH)		Circle Value		
Is the TPH less than 5 ppm? (Y/N)		_____		
If yes, the material may be accepted at the WWTP. If no, go to Section 4.				
4. Total Organic Halides (TOX)		Circle Value		
Is the TOX less than 5 ppm? (Y/N)		_____		
If yes, the material may be accepted at the WWTP. If no, the material cannot be accepted at the WWTP.				
5. Organic Compounds - Benzene, Ethylbenzene, Toluene, Xylene (BETX)		Circle Value		
Is the sum of the concentrations of BETX less than 10 ppm? (Y/N)		_____		
If yes, the material can be accepted at the WWTP. If no, the material cannot be accepted at the WWTP.				

G E N E R A T O R O F W A S T E	NAME OF COMPANY		FEDERAL TAX I.D. NUMBER		
	LOCATION		FEDERAL GENERATOR I.D. NUMBER		
	TYPE OF INDUSTRY		DATE REMOVED	TIME REMOVED	
	The Generator of the waste material delivered to the Casper Waste Water Treatment Facility this ____ day of _____, 19____, acknowledges that acceptance of the waste material at the Casper Waste Water Treatment Facility does not constitute a release by the City of Casper, or the Casper Board of Public Utilities, of further or future liability which may result from this waste alone, or this waste in combination with other accepted waste, at the Casper Waste Water Treatment Facility, if said waste, or combination thereof, are hazardous waste materials, or exhibit the characteristics of a hazardous waste material. Furthermore, the Generator of such materials acknowledges and agrees that it will reimburse the City of Casper and/or the Casper Board of Public Utilities for any costs which may be incurred as a result of the acceptance of the waste of the Generator at the Waste Water Treatment Facility or by any resulting hazardous waste disposal liability which may be imposed at the facility as a result of any such acceptance. I certify that the described waste, in the designated volume, was removed from this location by the contractor named below for legal disposal.				
SIGNATURE OF AUTHORIZED AGENT AND TITLE			PHONE		

H A U L E R	NAME		FEDERAL TAX I.D. NUMBER	
	ADDRESS		DATE RECEIVED	TIME RECEIVED
	FEDERAL HAULER I.D. NUMBER	STATE	TRUCK LICENSE NO.	
	I certify that the described waste, in the designated volume, was removed from the above described location and delivered to the disposal site designated below. I certify that the above described vehicle used to haul this waste was free of any material not acceptable for disposal at the treatment facility.			
SIGNATURE OF CONTRACTOR'S AGENT AND TITLE			PHONE	

D I S P O S A L	NAME		SAMPLE FOR ANALYSIS:	
	CASPER WASTE WATER TREATMENT PLANT			
	ADDRESS		DATE RECEIVED	TIME RECEIVED
	2400 BRYAN EVANSVILLE RD.			
I certify that the above named contractor delivered the described waste, in the designated volume, to this facility and same was received for lawful disposition as designated.				
SIGNATURE OF OPERATOR AND TITLE		PERMIT NO.	PHONE	
		WY0021920	235-8479	

AGENCIES RESPONSIBLE FOR SMALL WASTEWATER PERMITS

1. Albany Co.
City of Laramie/Albany
Co. Sanitarian
P O Box C
Laramie, WY 82070
Phone: (307) 721-5283
2. Big Horn County
DEQ/WQD District Supervisor
Lander
3. Campbell County
Campbell County Engineer
500 South Gillette Ave.
Gillette, WY 82716
Phone: (307) 682-1970
4. Carbon County
DEQ/WQD District Supervisor
Cheyenne
5. Converse County
Converse County Sanitarian
Converse County Health Dept.
530 Oak
Douglas, WY 82633
Phone: (307) 358-2536
6. Crook County
DEQ/WQD District Supervisor
Sheridan
7. Fremont County
Fremont County Planner
Room 200, County Courthouse
Lander, WY 82520
Phone: (307) 332-5371
8. Goshen County
Goshen County Planner
1833 East D
Torrington, WY 82240
Phone: (307) 532-2788
9. Hot Springs County
DEQ/WQD District Supervisor
Lander
10. Johnson County
Johnson County Sanitarian
County Courthouse
Buffalo, WY 82834
Phone: (307) 684-7555
11. Laramie County
Cheyenne Laramie Co. Health Dept.
Division of Environmental Health
1710 Snyder Ave.
Cheyenne, WY 82001
Phone: (307) 638-8545
12. Lincoln County
Lincoln County
Office of Planning & Development
P.O. Box 414
Afton, WY 83110
Phone: (307) 886-3825
13. Natrona County
Natrona County Health Dept.
1200 East 3rd.
Casper, WY 82601-2990
Phone: (307) 235-9316
14. Niobrara County
DEQ/WQD District Supervisor
Sheridan
15. Park County
Park County Planning Coordinator
1002 Sheridan Ave.
Cody, WY 82414
Phone: (307) 587-2204
16. Platte County
DEQ/WQD District Supervisor
Cheyenne
17. Sheridan County
Sheridan County Engineer
P.O. Box 612
Sheridan, WY 82801
Phone: (307) 672-3426

18. Sublette County
Sublette County Planner
P.O. Box 506
Pinedale, WY 82941
Phone: (307) 367-4375

19. Sweetwater County
Sweetwater County Sanitarian
205 East Railroad Ave.
Green River, WY 82935
Phone: (307) 875-2611
Ext. 278

20. Teton County
Teton County Sanitarian
P.O. Box 1727
Jackson, WY 83001
Phone: (307) 733-3959

21. Uinta County
Uinta County Engineer
225 9th Street
Evanston, WY 82930
Phone: (307) 789-1780
Ext. 318

22. Washakie County
DEQ/WQD District Supervisor
Lander

23. Weston County
DEQ/WQD District Supervisor
Sheridan

DEQ/WQD District Offices

Northwest District - Lander

210 Lincoln Street
Lander, WY 82520
Phone: (307) 332-3144

Big Horn
Fremont
Hot Springs
Natrona - Anything with a range
of 84W or larger
Park
Teton
Washakie
Yellowstone Park

Northeast District - Sheridan

2161 Coffeen Avenue
Sheridan, WY 82802
Phone: (307) 672-6457

Campbell
Converse - everything with a Township
larger than 34N
Crook
Johnson
Natrona - everything with a Township
larger than 35N and a Range
smaller than 84W
Niobrara
Sheridan
Weston

Southwest District - Lander

Lincoln
Sublette
Sweetwater
Uinta

Southeast District - Cheyenne

Herschler Bldg., 4 West
Cheyenne, WY 82002
Phone: (307) 777-7781

Albany
Carbon
Converse - everything with a Township
smaller than 34N
Goshen
Laramie
Natrona - everything with a Township
smaller than 35N and a Range smaller
than 84W
Platte

LAND APPLICATION PERMIT

Permit No. 90-248
(Ref. 87-109)
SEE SPECIAL CONDITIONS

KISSACK WATER & OIL SERVICE ROAD APPLICATION
(Name of Facility)

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

Kissack Water & Oil Service, Inc.

P. O. Box 46

Rozet, Wyoming 82727

To land apply waste crude oil and sludges to a private road for dust control.

The application site is located in Sections 11, 13, 14, T.47N., R.69W., in the County of Campbell in the State of Wyoming. This permit shall be effective until November 1, 1990.

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 provisions of this permit.

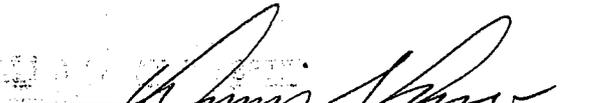
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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.

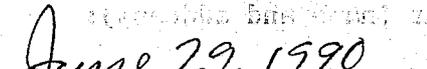
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

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 or perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, 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.
6. If any leaching, pumping or runoff of applied oils occurs within one year of application, the applicant shall be required to regrade the road surface to reincorporate the excess materials.

BDJ:jj

LAND APPLICATION PERMIT

Permit No. 90-249
(Ref. 87-110)
SEE SPECIAL CONDITIONS

KISSACK WATER & OIL SERVICE ROAD APPLICATION
(Name of Facility)

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

Kissack Water & Oil Service, Inc.

P. O. Box 46

Rozet, Wyoming 82727

To land apply waste crude oil and sludges to a private road for dust control.

The application site is located in Sections 1, 2, T.47N., R.69W., in the County of Campbell and Sections 5, 6, T.47N., R.68W., in the County of Weston in the State of Wyoming. This permit shall be effective until November 1, 1990.

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.

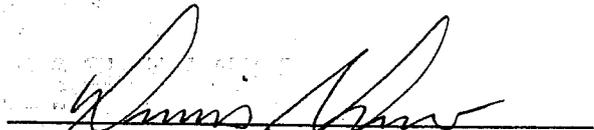
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with provisions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


Administrator
Water Quality Division


Director
Dept. of Environmental Quality

June 29, 1990
Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

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 or perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, 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.
6. If any leaching, pumping or runoff of applied oils occurs within one year of application, the applicant shall be required to regrade the road surface to reincorporate the excess materials.

BDJ:jj

LAND APPLICATION PERMIT

PERMIT NO.: 90-250
SEE SPECIAL CONDITIONS

Triton Oil Land Application
(Name of Facility)

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

Triton Oil & Gas Corporation

4849 Greenville Ave

Dallas, TX 75206

to land apply 12,000 barrels of reserve pit fluids. The application site is located in Section 21, T50N, R95W in the county of Big Horn in the State of Wyoming. This permit shall be effective for a period of one (1) year 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 allow 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 constitution 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 infringements of federal, state or local laws or regulations.

AUTHORIZED BY:

William J. Jones Administrator
Water Quality Division

Annis K. Kew Director
Dept. of Environmental Quality

July 31, 1990
Date of Issuance

This permit does not supersede 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. Applications shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainage, irrigation canals, lakes and reservoirs.
3. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Steve Gerber, 250 Lincoln St., Lander, WY 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 1/4 section) and time of application.

SG/anc