RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-001
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Cheyenne Truck N Travel, Inc.

This permit hereby authorizes the applicant:

Wyoming Truck N Travel, Inc.
P.O. BOX 907
Cheyenne, WY 82003-0907

to construct, install or modify monitoring wells according to the procedures and conditions of the application number 91-001. The facility is located in NE 1/4 Section 14 T13N R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of five years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

January 17, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-001

1. If the wells become irreparably damaged or use of the waste treatment facility is discontinued the wells must be properly plugged and abandoned and notice filed with DEQ/WQD within fifteen days.

2. In case groundwater is not encountered within 50 foot of depth the monitoring wells should be completed to the most likely aquaclude below a depth of 25 feet rather than being arbitrarily completed to a depth of 50 feet.

cc: Laramie County Environmental Health
Joseph E. Kub, P.E.

LAND APPLICATION PERMIT

Permit No. 91-002
SEE SPECIAL CONDITIONS

Half Moon Field Land Application
(Name of Facility)

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

Goldmark Engineering

P. O. Box 3766

Casper, WY 82602

to land apply 80 barrels of waste crude oil and sludges. The application site is located in Section 22 & 23 , T51N, R102W in the county of Park in the State of Wyoming. This Permit shall be effective for a period of two (2) (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

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

The permittee shall notify representatives from the Department of

Environmental Quality, Water Quality Division the day application commences and give an estimate of the duration 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 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:

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

January 17, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

jyi

CONDITIONS ON PERMIT

1. Waste 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. The application site slope shall not exceed 8 percent.

3. Waste application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainage, irrigation canals, lakes and reservoirs.

4. 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 application and must be informed how much waste will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.

5. The application rate shall be limited to 4 inches over the specified roads and 40 acres. A daily log should be kept which documents the quantity applied, surface area and total dissolved solids (field measurement) concentration of the treated wastewater.

R7

PERMIT TO CONSTRUCT

PERMIT NO. 91-003
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

VEE BAR RANCH NUMBER 2 SEPTIC SYSTEM

This permit hereby authorizes the applicant:

DUANE HARM
2091 HIGHWAY 130
LARAMIE, WY 82070

to construct, install or modify a wastewater system according to the procedures and conditions of the application number 91-003. The facility is located in SW1/4, Section 2, T15N, R77W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

April 5, 1991
Date of Issuance

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

SPECIAL CONDITIONS FOR PERMIT #91-003

The detail of the wet well as submitted does not meet design standards as specified in Part D, Section 40 (a)(i) of Wyoming Water Quality Rules and Regulations, Chapter XI. The issuance of this permit is conditioned upon the construction of the wet well in accordance with the following specifications:

1. The volume between the on and off switches shall be 200 gallons, between the on switch and the alarm shall be 100 gallons and between the alarm and the inlet pipe shall be 400 gallons. The wet well as submitted does not meet these specifications and must be larger;

2. The wet well must be vented with a vent pipe that terminates at least 12 inches above ground with a downward turn; and

3. The access manhole must be minimum of 20 inches in least dimension.

MGD/jt

Review of Plans and Specifications

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

PROJECT: VEE BAR RANCH NUMBER 2 SEPTIC SYSTEM

APPLICANT: DUANE HARM
2091 HIGHWAY 130
LARAMIE, WY 82070
307-745-7036

ENGINEER: COFFEY ENGINEERING & SURVEYING, INC.
903 GRAND AVE.
LARAMIE, WY 82070-3941
307-742-6271

WATER QUALITY DIVISION REFERENCE NUMBER: 91-003

REVIEWING OFFICIAL: Maggie Davison

APPROVING ENGINEER: Louis Harmon

DATE OF REVIEW: January 23, 1991

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

Professional Engineer (Civil)
Louis B. Harmon
3523
Date 1/24/91
WYOMING

COMMENTS:

1. The following information must be provided to finalize the review of the permit application:

   a. The location of wells and water lines and the corresponding distances from the proposed septic tanks and drain field;

   b. Verification that the site conforms to standards regarding the slope of the proposed site, the distances to property lines and the distances from the proposed septic tanks to the Little Laramie River and irrigation ditches;

   c. A description of backfill material to be used in the drainfield;

   d. A profile drawing of the drainfield line crossing the irrigation ditches;

   e. A detailed plan of the wet well design.

2. The wet well must be sized to provide capacity for the line to the drainfield to drain into the wet well to prevent freezing (see Wyoming Water Quality Rules & Regulations, Chapter XI, Section 40(a)(iii)) or some provision made to protect the line from freezing;

3. A cleanout or manhole needs to be provided where lines join. A manhole would also provide additional backup capacity in the event of pump failure.

/jn

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-004
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

ROCK RIVER FIELD - HARRISON COOPER WELL #2-3

This permit hereby authorizes the applicant:

Marathon Oil Company
P O Box 2690
Cody, WY 82414

to construct, install or modify Groundwater Monitor Well Network according to the procedures and conditions of the application number 91-004. The facility is located in SW/SE Section 34 Township 20 North Range 78 West 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:

for

Administrator
Water Quality Division

Director
Department of Environmental Quality

February 4, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-004

1. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study. Results of the initial site investigation will be reviewed by the Department of Environmental Quality, Water Quality Division (DEQ/WQD) to determine whether or not further investigatory work or remedial actions be required at the site.

2. DEQ/WQD personnel shall be given at least 24 hours notice prior to the installation of the monitor wells and sample collection. Additional wells installed at the site must have prior approval from the DEQ/WQD.

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. All wells must have a unique number.

4. Within 60 days of issuance of this permit, a report on the subsurface investigation must be submitted to the DEQ/WQD. The report must include the following items:

   a. A chronology of events leading up to the investigation;

   b. A site map showing physical features, well locations and elevations;

   c. A poteniometric surface map showing the direction of groundwater movement;

   d. A map delineating the extent of the subsurface contamination including nonaqueous phase liquid contaminants, soil and dissolved groundwater contamination and concentrations;

e. A description of the subsurface geologic conditions;

f. Construction details and logs of all monitor wells;

g. Sample collection procedures, QA/QC information and analytical methods;

h. Static water level, nonaqueous phase liquid thickness and analytical results; and

i. Interpretation of data and conclusions including recommended remedial actions.

5. After the monitoring wells have fulfilled their useful purpose, and upon approval by DEQ/WQD, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. A plugging record must be filed with the DEQ/WQD within 15 days of abandonment.

SCF/jt

RECORD OF COMMUNICATION	☑ PHONE CALL ☐ DISCUSSION ☐ FIELD TRIP ☐ CONFERENCE ☐ OTHER (SPECIFY) PHONE NUMBER	
TO: 91-005 FILE	FROM: SCOTT FORSTER	DATE 1-25-91 TIME 10 am

SUBJECT

91-005

SUMMARY OF COMMUNICATION

THE APPLICATION FOR 91-005 SHOULD BE SENT BACK TO THE APPLICANT. I INFORMED REX KLEINGASSER THAT THE PROPOSED WELL COULD BE INSTALLED UNDER 90-364.

RECEIVED
JAN 25 1991
WATER QUALITY DIVISION
WYOMING

INFORMATION COPIES

TO: TRISTATE STEEL FILE.

PERMIT TO CONSTRUCT

PERMIT NO. 91-006
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Cummins Power - Gillette Monitor Wells

This permit hereby authorizes the applicant:

Cummins Power Company
5100 East 58th Avenue
Commerce City, CO 80022

to construct, install or modify monitoring wells according to the procedures and conditions of the application number 91-006. The facility is located in SW¼, SW¼, Section 9 T50N R72W in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of five years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

January 17, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-006

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 91-006. 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.

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 and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;

   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;

   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; and

   h. All monitor wells shall be designed to contain a minimum of 3 feet of water at all times of the year.

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

   a. A chronology of events leading up to the investigation;

   b. A site map showing the physical features, well locations and sea level elevations;

   c. Final location, construction details and logs of monitor wells;

   d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geologic materials and groundwater occurrence;

   e. Water level and product thickness measurements;

   f. Sample collection procedures;

g. Sampling analytical results;

h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;

i. A potentiometric surface map showing the direction of groundwater movement; and

j. Interpretation of the data and conclusions including recommended remedial measures.

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. Purgeable Hydrocarbons using EPA Method 624.

b. Base, Neutral, and Acid extractable hydrocarbons by EPA Method 625.

c. Arsenic, Barium, Cadmium, Lead, Mercury, Silver, and Selenium, using EPA 200 series methods.

d. After the first monitoring event, the WQD may substitute a shorter list for the above parameters, depending on the results of the first monitoring event. WQD may substitute less expensive methods for the above listed methods depending on the results of the first monitoring.

e. 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 April, 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.

12. The permittee shall verify the location of the industrial drainfield prior to the installation of these wells. This requirement is to insure that the wells constructed are in the same spacial relationship to the drainfield as shown on the application.

RFL/mad

cc: Jake Strohman
Terry Wham
Cummins Power
189 North Highway 14-16
Gillette, Wyoming 82533

FCS-7206 Box 1

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 332-3144	(307) 332-3047	(307) 332-3144	(307) 332-3144

January 15, 1991

Don Young
Park County Fire District #2
1002 Sheridan Ave. Rm 207
Cody, WY 82414

ARCHIVE

RE: AS-BUILT Approval
WQD - Ref NO. 91-007

Dear Mr. Young:

This letter is in response to your recent as-built submittal associated with the four wells drilled at the Park County Fire District No. 2 - Fire Training Facility. After reviewing the application, well schematics and the location map, everything seems to be in order to meet the minimum design standards for the State of Wyoming. A "Permit to Construct" can not be issued on those wells which have already been completed but should be issued before any additional drilling is initiated. Please retain this letter as verification that wells DH-2, DH-4, DH-5, DH-6 have been approved as-built by the Wyoming Department of Environmental Quality with the following conditions:

Conditions for Monitoring Wells

1. 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.

2. 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.

3. 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.

4. DEQ/WQD personnel shall be given at least two weeks notice prior to sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.

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

Sincerely,

Glen Garton

Glen Garton
Water Quality Specialist

GG/anc
cc: Plans (3)
File (2)

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-008
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

RANDALL AVENUE WATER MAIN REPLACEMENT

This permit hereby authorizes the applicant:

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

to construct, install or modify a 30" Water Main according to the procedures and conditions of the application number 91-008. The facility is located in SE Section 25 Township 14 North Range 67 West in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of one 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:

for

Administrator
Water Quality Division

Director
Department of Environmental Quality

February 4, 1991
Date of Issuance

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

SCF/jt

PERMIT TO CONSTRUCT

PERMIT NO. 91-009

X New
Renewal
Modified

COASTAL CHEM, INC. SEDIMENT POND

This permit hereby authorizes the applicant:

Coastal Corporation
P.O. Box 1287
Cheyenne, WY 82003

to construct, install or modify wastewater sediment pond according to the procedures and conditions of the application number 91-009. The facility is located in NW1/4 SW1/4 Section 16 T13N R67W 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

January 29, 1991
Date of Issuance

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

LBH/nc
cc: D. M. Hopkins, P O Box 6106, Cheyenne, WY 82003

RCS-7206 Box 1

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 332-3144	(307) 332-3047	(307) 332-3144	(307) 332-3144

January 23, 1991

Laskowski Construction
2599 College Drive
Rock Springs, WY 82901

ARCHIVES

RE: As-Built Approval: The Bluffs Executive Estates
WQD - Reference No.91-010

Dear Sirs:

The plans and information for the above referenced project have been reviewed and appear to comply with minimum design standards, as defined by the State of Wyoming, with one exception. Chapter XII, Section 14 (b) states:

> "The minimum size of a watermain for providing fire protection and serving fire hydrants shall be 6 inches (0.15 m) diameter when service is provided from 2 directions, or where the maximum length of 6 inches pipe serving the hydrant from 1 direction does not exceed 250 feet, or 8 inches (0.2 m) where service is provided from 1 direction only."

The fire hydrant located at the southeast end of college court is located at the end of a 275 foot, 6 inch diameter line. This configuration does not meet the requirements of the above regulation. A "permit to construct cannot be issued owing to the fact that the system has already been constructed. However, please retain this letter as verification that the system has been accepted with deficiencies by the DEQ/Water Quality Division.

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

Sincerely,

Sterling Roberts, P.E.
Water Quality Engineer

SR/anc
cc: Glen Sugano, Rock Springs Public Works Director
Edward Fermelia, Johnson-Fermelia Co.
Plans (3)
File (2)

CORRECTED COPY

PERMIT TO CONSTRUCT

PERMIT NO. 91-011
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

DON SABLE MONITORING WELLS

This permit hereby authorizes the applicant:

Don Sable
3400 Santa Monica
Denton, Texas 76205

to construct, install or modify a system of monitor wells according to the procedures and conditions of the application number 91-011. The facility is located in Section 34 NW¼ SE¼, Township 34 North, Range 80 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:

for the
Administrator
Water Quality Division

Director
Department of Environmental Quality

January 25, 1991
Date of Issuance

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

SPECIAL CONDITIONS ON PERMIT TO CONSTRUCT 91-011

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted permit to construct application number 91-011. 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.

91-012 Gerber

Gooseberry (B) S 41X-21G

~~Reserve Pit Land Farm~~

Date	Action	60-days
01/16/91	ur	03/16/91
3-15-91	re	
~~9-19-91~~	~~aw~~	

~~no ltr in file~~ Robin R called 1/14/93 She had discovered this was not done / they still have everything. She is doing this now.

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 332-3144	(307) 332-3047	(307) 332-3144	(307) 332-3144

February 1, 1991

Hoback Ranches, Inc.
cc/o Robert Child, Executive Vice President
P. O. Box 1045
Evanston, WY 82931-1045

RE: As-Built Approval
WQD-Ref. No. 91-013R
Ref. also 84-03
84-438
86-170

ARCHIVES

Dear Mr. Child:

The plans for the Deer Mountain Ranch Central Water System Source Development Project have been reviewed and appear to comply with the minimum design standards, as defined by the State of Wyoming, with the following exceptions:

1. Yield and drawdown tests of the appropriate duration were not performed on the production well. Department of Environmental Quality (DEQ) Regulations call for continuous pumping for at least 24 hours or until stabilized drawdown has continued for at least 6 hours when test pumped at 1.5 times the design pumping rate. The drawdown test provided was only a total of six hours in length.

2. The well was not tested for plumbness and alignment in accordance with AWWA-100.

A "Permit to Construct" cannot be issued owing to the fact that the system has already been constructed. However, please retain this letter as verification that the system has been accepted, with the listed deficiencies, by the DEQ Water Quality Division.

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

Sincerely,

Sterling Roberts

Sterling Roberts P.E.
Water Quality Engineer

SR/jyi
cc: Kevin Jones, PE & LS
Plans (3)
File (2)

PERMIT TO CONSTRUCT
* CONDITIONED *

[X] New Permit No. 91-014

[ ] Renewal

[ ] Modified

1003-1, 1003-2, 1003-3
(Name of Facility)

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

Great West Casualty Company

c/o Western Water Consultants (Lisa Jarvis)

611 Skyline Road

Laramie, WY 82070

to construct, install, or modify a series of ground water monitoring wells according to the procedures and conditions of the application No. 91-014. The facility is located in the SW 1/4 Sec 14, T23N, R113W alongside Hwy 189 approximately 1/2 mile north of the intersection with Hwy 372 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, 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:

for the

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

January 25, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.
DG/jyi

Additional Condition

The cleanup levels for contaminated soils proposed in this plan (i.e. partioning coefficient) are in line with standards proposed by the DEQ/WQD, but these levels have yet to be implemented as policy. If these levels are implemented by the time cleanup begins at the site, the proposal will be acceptable. However, until such time that the new proposed cleanup standards are implemented, the existing level of 10 ppm TPH in soils where ground water is less than 50 feet below ground surface will have to be adhered to.

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 91-014. 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 that 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. 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 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 and product thickness measurements;

   f. Sample collection procedures;

   g. Sampling analytical results;

   h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved 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 <u>quarterly</u> (schedule) following two initial sampling events separated by four to six weeks. Sampling will be for the listed parameters listed below:

    <u>TPH, Benzene, and Hexane.</u>

    The results of these analyses shall be submitted to the <u>Lander</u> office by the last day of the month following the end of <u>each quarter.</u>

PERMIT TO CONSTRUCT
Conditioned

[X] New Permit No. 91-015

[ ] Renewal

[ ] Modified

Red Desert Standard Station
(Name of Facility)

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

Consumers Gasoline Company

Mrs. Marion McCord

P. O. Box 974

Rawlins, WY 82301

to construct, install, or modify a series of soil borings and groundwater monitor wells according to the procedures and conditions of the application No. 91-015. The facility is located in SE 1/4 NE 1/4 Sec. 5, T19N, R95W 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:

for the

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

January 31, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.
jyi

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 91-015. 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 that 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. 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 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 and product thickness measurements;

f. Sample collection procedures;

g. Sampling analytical results;

h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved 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, following two initial sampling events separated by four to six weeks, for the parameters listed below:

TPH and BTEX

If free product is found the above analysis will not be required, but the thickness of product shall be measured.

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.

cc: Jake Strohman

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-016
SEE SPECIAL CONDITION

X New
Renewal
Modified

WHD CHUGWATER MAINTENANCE SHOP EVAPORATION POND

This permit hereby authorizes the applicant:

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

to construct, install or modify a evaporation pond for shop and powerwash sump according to the procedures and conditions of the application number 91-016. The facility is located in SE 1/4 Section 30 T21N R65W in the county of Platte, 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: 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

April 15, 1991
Date of Issuance

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

CONDITION TO PERMIT TO CONSTRUCT #91-016

A properly completed application for permit must be submitted before construction begins. An employee of the Wyoming Highway Department must sign the permit. Chapter III of the DEQ/WQD rules and regulations requires that the application be signed by the owner which in this case is the Wyoming Highway Department.

LBH\jn

cc: Indo-American Eng. Inc.
P.O. Box 1813
Rock Springs, WY 82902-1813

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: CHUGWATER MAINTENANCE SHOP EVAPORATION POND

ENGINEER: INDO AMERICAN ENGINEERING, INC.

APPLICANT: WYOMING HIGHWAY DEPARTMENT

WATER QUALITY DIVISION REFERENCE NUMBER: 91-016

REVIEWING ENGINEER: LOU HARMON

DATE OF REVIEW: 02/04/1991

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

Professional Engineer (Civil)
Louis B. Harmon
3523
Date 2/4/91
WYOMING

COMMENTS:

1. The engineering report contains several erroneous and invalid assumptions. These assumptions include the average evaporation rate, the average wash time, and the number of items being washed. The end result is that it is impossible to determine if the sizing of the evaporation pond is valid.

2. Chapter XI of DEQ/WQD regulations, Part C, suggest a minimum depth of two feet of liquid and a submerged inlet. If the proposed design is used, a justification and request for variance from the regulation needs to be made.

3. The 3:1 side slopes planned will not retain the backfill on top of the synthetic liner as shown.

4. Why is polyethylene pipe being specified for the drainline?

/jn

PERMIT TO CONSTRUCT

PERMIT NO. 91-017
REF. 81-455 RR

X New
Renewal
Modified

1991 Water Improvements - Buffalo Creek Road Water Line

This permit hereby authorizes the applicant:

South Thermopolis Water and Sewer District
P O Box 204
Thermopolis, WY 82443

to construct, install or modify water distribution system with 700 L. F. new main according to the procedures and conditions of the application number 91-017. The facility is located in NW ¼ Section 13, T42N, R95W in the county of Hot Springs, 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 it 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, 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 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

February 11, 1991
Date of Issuance

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

JH/jt

RF.

PERMIT TO CONSTRUCT

PERMIT NO. 91-018

X New
Renewal
Modified

ARLINGTON AND ELK MOUNTAIN EVAPORATION PONDS

This permit hereby authorizes the applicant:

Wyoming Highway Department
5300 Bishop Boulevard
Cheyenne, WY 82002-9019

to construct, install or modify sump waste evaporation ponds according to the procedures and conditions of the application number 91-018. The facility is located in SW1/4 Sec. 19 T19N R78W and NE1/4 SE1/4 Sec. 19 T19N R80W 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:

Lake Strohman for
Administrator
Water Quality Division

Director
Department of Environmental Quality

February 11, 1991
Date of Issuance

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

LBH/nc
cc: Banner Associates, Inc., 620 Plaza Court, P O Box 550, Laramie, WY 82070

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-019

Ten Sleep Highway Shop Sewer Line
(Name of Facility)

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

Wyoming Highway Department

218 W. C Street

Basin, WY 82410

to construct a low pressure sewer line according to the procedures and conditions of the application No. 91-019. The facility is located in Sec 10, 15 & 16, 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, 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:

William P. Jones
Administrator
Water Quality Division

Director
Dept. of Environmental Quality

February 11, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.
SG/jyi

PERMIT TO CONSTRUCT
*** Conditioned ***

[X] New Permit No. 91-020R

[ ] Renewal

[ ] Modified

President Street Waterline Replacement
(Name of Facility)

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

Joint Powers Water Board

Rock Springs/Green River/Sweetwater County

P. O. Box 158

Green River, WY 82935

to install a waterline replacement project within the City of Rock Springs facility according to the procedures and conditions of the application No. 91-020R. The facility is located in Sec 36, T19N, R105W and Sec. 1, T18N, 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, 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:

William L. Garland
Administrator
Water Quality Division

Director
Dept. of Environmental Quality

March 1, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

BL/jyi

* CONDITION *

1. The location of utilities in this area of Rock Springs is not well defined on existing maps. The actual location of the new waterline may vary from these drawings to accommodate what is found in the field during exploratory excavations. Therefore, an accurate set of as-built drawings' will be submitted to the Department of Environmental Quality, Water Quality Division, 250 Lincoln Street, Lander, WY 82520, upon completion of the project. These as-built drawings must show compliance with DEQ/WQD regulations particularly in regards to water and sewer separation.

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-021R
* Conditions on Permit

Elk Street Waterline Replacement
(Name of Facility)

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

Rock Springs/Green River/ Sweetwater County

Joint Powers Water Board

P.O. Box 158

Green River, WY 82935

to construct a water distribution system; replacement of deteriorated waterlines. Scope 3200 feet of 12"; 4200 feet of 8"; 1460 feet of 6" according to the procedures and conditions of the application No. 91-021R. The facility is located in sections 23, 26 and 35, 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, 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

March 1, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

CONDITIONS

1. The exact location of utilities in this area of Rock Springs is not well defined on existing maps. The actual location of the new waterline may vary from that shown on the application to accommodate what is found during exploratory excavation. Therefore, an accurate set of as-built drawings will be submitted to the DEQ/Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520 upon completion of the project. These as-built drawings must show compliance with DEQ/WQD regulations particularly in regards to water and sewer separation.

2. As there is potential for encountering hydrocarbon contaminated soils during the construction of this project soil monitoring shall be conducted. If hydrocarbon contaminated soils are detected the DEQ/WQD shall be notified immediately and the soils shall be disposed of in a method approved by the DEQ Solid Waste Management Division.

SR/anc

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-022
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

AMOCO SERVICE STATION #5431

This permit hereby authorizes the applicant:

Amoco Oil Company
8700 Indian Creek Parkway, Building 3, Suite 180
Shawnee Mission, KS 66225-6045

to construct, install or modify a Groundwater Monitor Well Network according to the procedures and conditions of the application number 91-022. The facility is located in NW/SE Section 4 Township 33 North Range 79 West 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:

for
Administrator
Water Quality Division

Director
Department of Environmental Quality

February 4, 1991
Date of Issuance

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

SPECIAL CONDITIONS

1. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study. Results of the initial site investigation will be reviewed by the Department of Environmental Quality, Water Quality Division (DEQ/WQD) to determine whether or not further investigatory work or remedial actions be required at the site.

2. DEQ/WQD personnel shall be given at least 48 hours notice prior to the installation of the monitor wells and sample collection. Additional wells installed at the site must have prior approval from the DEQ/WQD.

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. All wells must have a unique number.

4. Within 60 days of issuance of this permit, a report on the subsurface investigation must be submitted to the DEQ/WQD. The report must include the following items:

   a. A chronology of events leading up to the investigation;

   b. A site map showing physical features, well locations and elevations;

   c. A poteniometric surface map showing the direction of groundwater movement;

   d. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;

e. A description of the subsurface geologic conditions;

f. Construction details and logs of all monitor wells;

g. Sample collection procedures, QA/QC information and analytical methods;

h. Static water level, product thickness and analytical results; and

i. Interpretation of data and conclusions including recommended remedial actions.

5. After the monitoring wells have fulfilled their useful purpose, and upon approval by DEQ/WQD, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. A plugging record must be filed with the DEQ/WQD within 15 days of abandonment.

SCF/jt

cc: Steve Jorgensen, Law Environmental, Inc., 5600 South Quebec Street, Suite 307D, Englewood, CO 80111

RF

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

(X) New

( ) Modified

Permit Number:

91-023
UIC CLASS 5R21

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),

U.S. Energy Corporation
877 North 8th West
Riverton, WY 82501
(307) 856-9271

is authorized to operate

The SMP Injection Well Program in the NE1/4 SE1/4, Section 21, Township 28 North, Range 92 West, of the 6th Principal Meridian;

according to procedures and conditions of the application 91-023 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

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

2/11/91
Date

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

February 11, 1991
Date

REV 02/08/91

FORM UIC-2

A. Discharge (Injection) Zone and Area of Review

Discharge Zone

These injection wells are authorized to inject into the Tertiary Fort Union and Cretaceous Mesa Verde Formations which are found at this location from 2,500 to 4,120 feet below the ground surface.

Area of Review

The facility authorized by this permit is located in:

Township 28 North, Range 92 West, 6th Principal Meridian	
Section 21:	NE1/4SE1/4

The Area of Review around this facility is legally described as:

Township 28 North, Range 92 West, 6th Principal Meridian	
Section 16:	All
Section 17:	S1/2SE1/4
Section 20:	E1/2
Section 21:	All
Section 22:	NW1/4NW1/4, S1/2NW1/4, SW1/4, SW1/4SE1/4, S1/2NW1/4SE1/4
Section 27:	N1/2NW1/4, SW1/4NW1/4, NW1/4NE1/4
Section 28:	All
Section 29:	E1/2
Section 32:	NE1/4
Section 33:	W1/2NW1/4, NE1/4NW1/4

B. Groundwater Classification

The groundwater in the Fort Union and Mesa Verde Formations has not yet been sampled and analyzed. Based on the general water quality of similar formations in the area, these formations can be assumed to meet the water quality standards to be classified as class I, II or III under Chapter VIII of Wyoming Water Quality Rules and Regulations (April 9, 1980). This classification was made without an analyses because:

a. The groundwater in this formation is assumed to meet all of the quality standards set forth in Chapter VIII for class I, II or III water;

b. The application is for the right to inject waters that meet class I standards only.

After an analyses of the water in each receiver is obtained as required in Section F of this permit, a final classification shall be made by the Water Quality Division. If that classification indicates that the groundwater in the receiver is class I, then the uranium UCL shall be changed to the baseline level for uranium in the receiver. If this provision governs, the Water Quality

Division will, by letter, set the exact limit to be used for uranium.

C. Authorized Operations

The permittee is authorized to inject 12,000 barrels per day, (504,000 gallons per day) of wastewater produced by the necessity to dewater the Sheep Mountain Mine. This wastewater is actually groundwater which has entered the mine as seepage and is known to meet or exceed class I groundwater standards. This permit authorizes only the injection of class I groundwater. Injection of water which does not meet class I standards is a violation of this permit.

The permittee is authorized to inject at a pressure of no more than 900 psig as measured at the wellhead, assumed to be located 1,600 feet below ground surface in the Sheep Mountain Mine. The pressure of injection shall be continuously monitored and recorded on a chart recorder unless this pressure is atmospheric pressure or below.

This permit covers a total of five injection wells, all of which shall be located within 750 feet of the Sheep Mountain Mine shaft. Each well shall be constructed to similar standards, including the use of steel casing with cement carried back to the surface. Injection can be done without the use of tubing and packer arrangement. In the event that control of this discharge is lost due to mechanical integrity failure, the Water Quality Division may require that a tubing and packer be installed without amending this permit.

Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined by 40 CFR 261. Injection of any substance defined as hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

D. Proper Operation and Maintenance

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

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

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will

result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued.

E. Entry and Inspection

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

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

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

2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 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:

At a minimum, the groundwater in each of the receiving formations shall be sampled prior to the injection of any fluid into that formation under this permit. This sample shall be analyzed for the following parameters:

Aluminum	Ammonia (NH_3 as N)	Arsenic
Barium	Boron	Cadmium
Chloride	Chromium	Copper
Cobalt	Cyanide	Fluoride
Iron	Lead	Manganese
Mercury	Nickel	Nitrate (NO_3 as N)
Oil and Grease	Selenium	Silver
Uranium (U)	Vanadium (V)	Zinc
Potassium	Sodium	Calcium
Magnesium	Sulfate	Hydrogen Sulfide
Carbonate	Bicarbonate	Total Dissolved Solids
pH	Conductivity	Specific Gravity

G. Requirements for Monitoring the Discharge

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

The permittee shall monitor the quality of the injectate fluid on an approved schedule. The following parameters shall be analyzed by the listed methods and reported quarterly:

PARAMETER	APPROVED METHOD NUMBER	SCHEDULE	UCL
Total Dissolved Solids (TDS)	Method 160.1(1)	Quarterly	500.0
pH	Method 150.1(1)	Quarterly	>6.5, <9.0
Sulfate	Method 375.2(2)	Quarterly	250.0
Uranium (U)	Method 908.1(3)	Quarterly	5.0(4)
Radium-226	Method 903.1(3)	Quarterly	5.0(5)

(1) EPA methods for analyses of water and wastewater

(2) EPA methods for chemical analyses of water and wastes

(3) EPA prescribed procedures for the measurement of radioactivity in drinking water

(4) Or the baseline uranium level in the receiver if the final classification of that receiver is class I under Chapter VIII. See Section B of this permit.

(5) Or the baseline radium level in the receiver whichever is greater.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. All chemical concentrations in this permit are expressed in mg/l except for Radium-226 which is in pCi/l. pH is always expressed in standard units and conductivity is expressed in mmhos/meter or umhos/cm.

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.

    A quarterly report shall be submitted no later than 30 days after the end of the calendar quarter showing:

    a. The highest injection volume reached during a single day for each month of the quarter, and the dates when those volumes were injected.

    b. The highest injection pressure recorded during each month of the quarter and the dates when those pressures were reached.

c. The total volume injected for each month of the quarter, for the total of the quarter, for the calendar year, and the total injected under this permit.

d. The results of all analyses required under either Section F or G of this permit for that quarter.

An annual report of injection shall be submitted no later than 30 days after the end of each calendar year which shall include:

a. The fourth quarterly report for the calendar year.

b. Graphs showing how the injection pressure, highest monthly injection rate, and water quality of the injectate has varied over the previous five years of the injection.

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:

Prior to injection of any fluid in any well covered by this permit, a Cement Bond Log (CBL) shall be run and submitted to the Water Quality Division for approval. Prior to the 5th anniversary of the logging of each well for a CBL, that well shall be logged using a standard Radioactive Tracer Survey (RATS). In the event that the RATS shows that the injection water is not entering the intended receiver, that well shall be abandoned. The Water Quality Division has not required these wells to be completed with tubing and packer. In the event that corrosion causes wells to be abandoned, Water Quality Division reserves the right to require tubing and packer in future wells.

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.

Each well shall be cemented back to the surface as shown in the application. In the event that this is impossible due to lost circulation of the cement, repair shall be necessary until cement bond can be shown at least from the bottom of the casing up to the pump station at the 1,630 foot level.

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:

Prior to any shutdown of the mine dewatering pumps prior to final mine flooding and abandonment, all casing valves located underground for this system shall be removed and replaced with blank pipe. This is intended to insure that the well can be entered from the surface with cementing tools as needed. Wells shall be entered from the surface and sealed with 100 feet of cement placed immediately above the perforations, a second plug of 100 feet of cement placed immediately below the injection pump elevation, a third plug of 100 feet of cement placed directly above the injection pump elevation, and a final 100 foot cement plug just below the surface.

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.

O. Special Measures the Director Finds Necessary:

The permittee shall maintain access to the underground pumping station throughout the operation of this system. In the event that a cave-in occurs that prevents access to this station, the permittee is required to reestablish this access, even if this requires opening new crosscuts, or adits to accomplish this.

This permit does not authorize surface discharge. If surface discharge is desired as shown on Exhibit 5 of the application, that discharge must be covered by an NPDES permit issued by Water Quality Division.

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

PERMIT NO. 91-024

X New
Renewal
Modified

BROOKS WATER SYSTEM IMPROVEMENTS

This permit hereby authorizes the applicant:

Brooks Water and Sewer District
P O Box 2080
Mills, Wyoming 82644

to construct, install or modify Distribution System according to the procedures and conditions of the application number 91-024. The facility is located in NW Section 1 Township 33 North Range 80 West in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of one 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:

for
Administrator
Water Quality Division

Director
Department of Environmental Quality

February 11, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-024

1. Work not part of this project, as noted on page 4 of the plans, was not reviewed nor approved as part of this permit.

SCF/nc

cc: Colin Cunningham, Worthington, Lenhart & Carpenter, Inc.
632 South David, Casper, WY 82601

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

PERMIT NO. 91-025

SHERIDAN AVENUE AND EAST FIFTH STREET
WATER TRANSMISSION LINE
(Name of Facility)

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

CITY OF SHERIDAN
P.O. Box 848
Sheridan, Wyoming 82801

to construct, install or modify a 16-inch diameter water transmission line to be connected to existing City water system to provide water to areas east of Sheridan. Line will eventually be incorporated into East Sheridan Industrial Area water system loop according to the procedures and conditions of the application No. 90-450. This facility is located in Section 23, 25, 26, T56N, R84W in the County of Sheridan in the 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: 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

February 27, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-026R

Tailings Pipeline Containment
(Name of Facility)

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

FMC Wyoming Corporation

P. O. Box 872

Green River, WY 82935

to construct a small, lined pipeline drainage catch basin facility according to the procedures and conditions of the application No. 91-026R. The facility is located at the FMC mine site west of Green River 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

April 19, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

DG/jyi

PERMIT TO CONSTRUCT

PERMIT NO. 91-027

X New
Renewal
Modified

Anderson/Hitchens Septic Tank/Leachfield

This permit hereby authorizes the applicant:

Richard Anderson
P O Box 1228
Thermopolis, WY 82443

to construct, install or modify septic tank/leachfield according to the procedures and conditions of the application number 91-027. The facility is located in Section 21, T44N, R94W in the county of Hot Springs, 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 it 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, 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

February 20, 1991
Date of Issuance

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

JH/jt

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-028

X New
Renewal
Modified

RAWLINS SUPER 8 MOTEL WATER AND SEWER LINE EXTENSION

This permit hereby authorizes the applicant:

Mr. and Mrs. Ken Patel
I-80 & Curtis Street
Laramie, WY 82070

to construct, install or modify a Distribution and Collection System according to the procedures and conditions of the application number 91-028. The facility is located in SW Section 18 Township 21 North Range 87 West in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

April 2, 1991
Date of Issuance

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

SCF/jt

cc: Ted C. Gertsch, Gertsch/Baker & Association, 307 Grand Avenue, Laramie, WY 82070

PERMIT TO CONSTRUCT

[X] New Permit No. 91-029RR

[ ] Renewal

[ ] Modified

Little America Travel Plaza Sanitary Sewer System Improvements
(Name of Facility)

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

Holding's Little America

Box 1

Little America, WY 82929

to construct install, or modify a sanitary sewer collection system according to the procedures and conditions of the application No. 91-029RR. The facility is located in N 1/2, Section 17, T18N, 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

August 29, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

SR/anc

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-030
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

ARTESIAN MOBILE HOME PARK

This permit hereby authorizes the applicant:

GARY JOHNSTON
719 ARTESIAN ROAD
CHEYENNE, WY 82007

to construct, install or modify a public water supply according to the procedures and conditions of the application number 91-030. The facility is located in Section 17, T13N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 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

April 2, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT # 91-030

1. The issuance of this permit is conditioned on the installation of check valves at each meter or in each service line as described in Water Quality Rules and Regulations, Chapter XII, Section 14(i)(A).

MGD/mad

cc: Gary Hickman

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 332-3144	(307) 332-3047	(307) 332-3144	(307) 332-3144

ARCHIVES

March 13, 1991

Stewart Environmental Consultants
214 North Howes
Fort Collins, CO 80521

RE: "As-Built" Acceptance of Soil Borings at
KMER Radio Station, Kemmerer, WY
Permit #91-031R

Dear Sir or Madam,

In reference to the above facility, a "Permit to Construct" cannot be issued after the borings have been accomplished. After reviewing the boring logs, however, they appear to meet the Department of Environmental Quality, Water Quality Division standards and, therefore, will be accepted "As-Built".

Please retain this letter as verification that the borings have been accepted by the Wyoming Department of Environmental Quality.

Sincerely,

Doug Gilmer

Doug Gilmer
Environmental Senior Analyst
Water Quality Division

DG/jyi

PERMIT TO CONSTRUCT
CONDITIONED

[X] New Permit No. 91-032

[ ] Renewal

[ ] Modified

Mountaineer Refinery/Equipment
(Name of Facility)

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

EPA Region VIII - Tien Nguyen

999 18th Street, Suite 500

Denver, CO 80202-2405

to install a series of soil borings and groundwater monitoring wells according to the procedures and conditions of the application No. 91-032. The facility is located in Sec 14, T26N, R113W, near the town of LaBarge 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, 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

February 20, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.
DG/jyi

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 91-032. 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 that 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;

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

g. 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

h. 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 and product thickness measurements;

f. Sample collection procedures;

g. Sampling analytical results;

h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved 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. 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.

cc: Jake Strohman

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-033RR

Shoshone Subdivision Water and Sewer
(Name of Facility)

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

FMC Corporation

P. O. Box 872

Green River, WY 82935

to install a water and sewer to service a 27 lot subdivision within the city of Green River facility according to the procedures and conditions of the application No. 91-033RR. The facility is located in Sec 27, T18N, R107W 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

March 12, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

BL/jyi

PERMIT TO CONSTRUCT
* CONDITIONED *

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-034R

Presidio Exploration, Inc. Deep Bed Anodes
(Name of Facility)

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

Presidio Exploration, Inc.

5613 DTC Parkway, Suite 800

Englewood, CO 80111-3035

to install a series of deep anode ground beds for cathodic protection according to the procedures and conditions of the application No. 91-034. The facilities are located at various sites (see attached maps) in the County of Sweetwater and Sublette, 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

March 20, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

DG/jyi

* Conditions for Permit to Construct *

1. The cathodic protection deep anode ground bed well shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 91-034.

2. After the deep anode ground bed well has fulfilled its useful purpose, it 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 the well has been 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. Bentonite grout installed to a depth just above coke breeze.

   b. The coke breeze backfill has a total organic content no greater than 0.2 percent.

   c. All aquifers encountered while drilling shall be isolated with polymer mud to prevent co-mingling of different aquifers or each aquifer shall be isolated, sampled and analyzed for all parameters contained in Table I of Chapter VIII of Wyoming Water Quality Rules and Regulations. If aquifers are of the same class of use as determined by the Department of Environmental Quality, intermingling may be allowed.

4. Within 45 days after the well has been installed, as-built construction plans need to be submitted to the Wyoming Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during constructions.

5. Up to 13 similar anodes may be installed during the term of this permit. All installations will have similar construction specifications.

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-035R

White Mountain Water Improvement District
(Name of Facility)

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

White Mountain Water & Sewer District

P. O. Box 221

Rock Springs, WY 82901

to construct a water distribution system facility according to the procedures and conditions of the application No. 91-035R. The facility is located in Sec 4, 8 and 9, 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, 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

May 6, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

SR/jyi

MEMORANDUM

TO: FILE #91-036

FROM: Maggie Davison

DATE: February 5, 1992

It is assumed that the above referenced monitor well application was turned over to Solid Waste Management as per Chapter II, Section 6(b)(iii) of Solid Waste Management Rules & Regulations, that states that a permit to construct is not required from the WQD in regards to monitor wells at landfills.

/nc

20372.LTR

Glenrock Landfill
S33, T34N, R75W
Converse Co.

Chapter II SWM R&R
per Maggie

Section 6. Monitoring Standards. All facilities required to institute monitoring shall meet the standards described in this section.

(a) Handling and storage of samples: Ground water, soil, and decomposition gas samples shall be collected and stored in accordance with department guidance or equivalent methods approved by the department.

(b) Ground water:

(i) Well placement: All facilities required to install monitoring wells shall place them in accordance with the department's requirements. Following initial placement of the wells, the operator shall confirm that the wells are capable of measuring ground water quality that is representative of conditions hydraulically upgradient and downgradient of the solid waste disposal facility.

(ii) Well design, construction/installation and abandonment: All wells shall be designed, constructed and installed in accordance with the Water Quality Division Chapter XI requirements. All abandoned monitoring wells shall be plugged and sealed in accordance with the Water Quality Division Chapter XI requirements.

(iii) Permits required: Prior to well installation, the monitoring well design, construction and location specifications shall be approved by the department. A construction permit under Chapter III of the Water Quality Division rules and regulations is not required. All monitoring wells shall be permitted by the Wyoming State Engineer's Office.

(iv) Analyses:

(A) Baseline monitoring: The initial samples acquired in a monitoring program shall be analyzed for pH, Total Dissolved Solids (TDS), Chemical Oxygen Demand (COD), Total Organic Carbon (TOC), Ammonia as N, Nitrate as N, Bicarbonate, Carbonate, Chloride, Fluoride, Calcium, Magnesium, Potassium, Sodium, Sulfate, Copper, Iron, Manganese, Nickel, Zinc, Arsenic, Barium, Cadmium, Chromium, Cyanide, Lead, Mercury, Selenium, and Silver. Water temperature and static water level measurements shall also be taken. The length of this initial monitoring period shall not exceed one year; samples acquired during this period shall be taken at least quarterly.

(B) Routine monitoring: Following the initial monitoring period, the department may specify a

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-037
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

AMOCO SERVICE STATION #9561

This permit hereby authorizes the applicant:

Amoco Oil Company
8700 Indian Creek Parkway, Suite 180
Shawnee Mission, KS 66225-6045

to construct, install or modify a Groundwater Monitoring Well System according to the procedures and conditions of the application number 91-037. The facility is located in NE/NW/NW Section 10 Township 33 North Range 79 West 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

April 15, 1991
Date of Issuance

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

CONDITIONS FOR PERMIT TO CONSTRUCT 91-037

1. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study. Results of the initial site investigation will be reviewed by the Department of Environmental Quality, Water Quality Division (DEQ/WQD) to determine whether or not further investigatory work or remedial actions be required at the site.

2. DEQ/WQD personnel shall be given at least 24 hours notice prior to the installation of the monitor wells and sample collection. Additional wells installed at the site must have prior approval from the DEQ/WQD.

3. Monitor wells installed at the site shall be sampled one time for volatile organic aromatic (BETX) compounds by EPA method 502.2 or other approved methods.

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. All wells must have a unique number.

5. Within 60 days of issuance of this permit, a report on the subsurface investigation must be submitted to the DEQ/WQD. The report must include the following items:

   a. A chronology of events leading up to the investigation;

   b. A site map showing physical features, well locations and elevations;

   c. A poteniometric surface map showing the direction of groundwater movement;

   d. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;

e. A description of the subsurface geologic conditions;

f. Construction details and logs of all monitor wells;

g. Sample collection procedures, QA/QC information and analytical methods;

h. Static water level, product thickness and analytical results; and

i. Interpretation of data and conclusions including recommended remedial actions.

6. After the monitoring wells have fulfilled their useful purpose, and upon approval by DEQ/WQD, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations.

SCF/jn

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-038

Park County Fire District # 2 - Fire Training Center
(Name of Facility)

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

Don Young

Park County Fire District #2

Suite 207-1002 Sheridan Avenue

to install three ground water monitor wells according to the procedures and conditions of the application No. 91-038. The facility is located at the Cody Fire Training Center in the County of Park, 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

February 20, 1991
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 91-038R. 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 that 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 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 and product thickness measurements;

f. Sample collection procedures;

g. Sampling analytical results;

h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved 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 one time for BETX (EPA Method 502.2 or 602), TPH (EPA Method 418.1).

    If free product is found the above analysis will not be required, but the thickness of product shall be measured.

    The results of these analyses shall be submitted to the Lander office in the report due in 90 days. Depending on the results of these analyses, additional sampling and analysis may be required by the Water Quality Division. A sampling schedule will be developed at that time.

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.

GG/anc
cc: Jake Strohman

PERMIT TO CONSTRUCT
* Conditioned *

[X] New

[] Renewal

[] Modified

Permit No. 91-039

Farson Highway Shop Evaporation Pond
(Name of Facility)

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

Wyoming Highway Department

P. O. Box 1260

Rock Springs, WY 82901

to construct, install, or modify a new shop drain, wastewater line and evaporation pond facility according to the procedures and conditions of the application No. 91-039. The facility is located in NE 1/4, NE 1/4, Sec 28, T25N, 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, 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:

William L. Jones
Administrator
Water Quality Division

Director
Dept. of Environmental Quality

February 27, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.
BL/jyi

* Conditioned *

1. The manhole accessing the pond liner monitoring line shall be monitored on a monthly basis. Should liquid be identified in this manhole, the Department of Environmental Quality, Water Quality Division, 250 Lincoln Street, lander, WY 82520 (332-3144) shall be notified immediately.

RF

PERMIT TO CONSTRUCT

PERMIT NO. 91-040
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

WYOMING TERRITORIAL PARK WATER AND SEWER

This permit hereby authorizes the applicant:

Wyoming Territorial Prison Corporation
975 Snowy Range Road
Laramie, WY 82070

to construct, install or modify a Collection and Distribution System according to the procedures and conditions of the application number 91-040. The facility is located in Section 32 Township 16 North Range 73 West in the county of Albany, 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

April 2, 1991
Date of Issuance

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #91-040

1. A valve must be installed at or about station 4+00 on the segment G water line in order to satisfy the Water Quality Division's requirements for valve spacing.

2. The clearance between the proposed water line and the existing sewer line near station 5+00 should be verified in the field.

SCF/jn

PERMIT TO CONSTRUCT
* CONDITIONED *

[X] New Permit No. 91-041

[ ] Renewal

[ ] Modified

Lost Soldier Unit Bairoil, Wyoming
(Name of Facility)

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

Amoco Production Company

P. O. Box 38

Bairoil, Wyoming 82322

to proceed with the proposed work plan for evaluation of hydrocarbon contamination at the Lost Soldier Unit facility according to the procedures and conditions of the application No. 91-041 The facility is located in Sec 11, 2, T26N, R90W, Sweetwater and SW ¼ Sec 7, T26N, R87W, Carbon in both Counties of Sweetwater and Carbon, 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

March 20, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

DD/jyi

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 89-552R. 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 that 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 and product thickness measurements;

f. Sample collection procedures;

g. Sampling analytical results;

h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved 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 one for the parameters listed below:

    Total petroleum hydrocarbons and BETX.

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.

12. The time schedule for plan implementation as submitted in February 21, 1991, proposal shall be adhered to.

cc: Jake Strohman, DEQ/WQD, Cheyenne

87

WESTERN WATER CONSULTANTS, INC.
RECEIVED
MAY 08 1991
LARAMIE, WY 82070

PERMIT TRANSFER REQUEST

May 6, 1991

Water Quality Division
Department of Environmental Quality
122 West 25th Street
Herschler Building
Cheyenne, WY 82002

To Whom it Concerns:

Western Water Consultants intends to transfer ownership of the facility associated with Permit Number 91-042 to State of Wyoming DEQ/WQD on June 1, 1991. It is requested that the said permit be transferred to the new owner in accordance with Section 10 (c) and (d) of Chapter III, Wyoming Water Quality Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

The original owner shall retain responsibility for the facility according to the terms of the original permit until the application for permit transfer is approved by the Administrator.

Please transfer the permit to the transferee's name and issue a modified permit reflecting the transfer of ownership. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.

Susan H. Fields
Signature Original Owner

William L. Jones
Signature New Owner

Name Western Water Consultants, Inc.
Address 611 Skyline Rd
Laramie, Wyoming 82070

Telephone 307/742-0031

Name State of Wyoming DEQ/WQD
Address Herschler Building 4W
122 West 25th Street
Cheyenne, Wyoming 82002

Telephone 307/777-7781

MEMO

TO Norma Coulson DEQ/WQD
4th Floor Herschler Building
Cheyenne, Wyo. 82002

Fields
WESTERN WATER CONSULTANTS, INC.
Engineering Hydrology and Hydrogeology
P.O. Box 4128
611 Skyline Rd.
Laramie, Wyoming 82071
(307) 742-0031

RECEIVED
MAY 15 1991
WATER QUALITY DIVISION
WYOMING

SUBJECT Transfer of Ownership DATE 5/14/91

Permit to Construct 91-042 for monitoring wells associated w/ Convenience #124 in Lander, Wyo.

Attached is subject request form. Please process & let me know if there are any problems. Thanks

SIGNED Susan xc: WQD Lander

REPLY

Meets DEQ Permit Conditions

Meets SEO Permit Conditions 05-28-91 Dan M

DATE SIGNED

☐ NO REPLY NECESSARY ☐ PLEASE REPLY ☐ TELEPHONE ☐ RETURN ENCLOSED MEMO WITH REPLY

PERMIT TO CONSTRUCT
CONDITIONED

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-042

Lander Conoco Convenience Plus #124
(Name of Facility)

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

Western Water Consultants

611 Skyline Road

Laramie, WY 82070

to construct, install, or modify a series of six groundwater monitoring wells at the Lander Conoco Convenience Plus #124 facility according to the procedures and conditions of the application No. 91-042. The facility is located in Sec 18, SW,NW, T33N, R99W 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, 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

March 1, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

SG/jyi

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 91-042. 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. 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 that 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. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;

h. 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

i. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.

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 potentiometric surface map showing the direction of groundwater movement; and

   b. 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.

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-043

Powell Municipal Water Metering Project
(Name of Facility)

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

City of Powell

P. O. Box 1008

Powell, WY 82435

to install water meters and backflow prevention devices in existing service lines facility according to the procedures and conditions of the application No. 91-043. The facility is located in Lots 62, 63, 74, and 75, T55N, R99W resurvey in the County of Park, 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

March 12, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

JH/jyi

PERMIT TO CONSTRUCT

PERMIT NO. 91-044
SEE SPECIAL CONDITION

New
Renewal
X Modified

CATHCART SMALL SEPTIC SYSTEM

This permit hereby authorizes the applicant:

RICHARD L. & ROMONA K. CATHCART
RR#1 BOX 144
CARPENTER, WY 82054

to construct, install or modify a connection from the septic system serving the Cathcart residence to a trailer located on the lot according to the procedures and conditions of the application number 91-044. The facility is located in NW1/4, Section 11, T13N, R64W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

April 15, 1991
Date of Issuance

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

CONDITION TO PERMIT #91-044

This permit authorizes modifications to the septic system as described only during the time that the house is occupied by Richard and Romona Cathcart. Occupancy other than as described negates authorization for the modifications to the system described in the permit application.

MGD/nc
cc: Gary Hickman

R.F.

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-045R
Conditions on Permit

Sweetwater County Weed and Pest Truck Wash
(Name of Facility)

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

Sweetwater County Weed and Pest Control Board

P.O. Box 73

Farson, WY 82932

to construct a truck wash system according to the procedures and conditions of the application No. 91-045R. The facility is located in NE 1/4, SW 1/4, Section 27, T25N, 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, 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

June 11, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

Conditions on Permit

1) The disposal of sludges and/or wastewater from the wash system will require authorization from the Department of Environmental Quality (DEQ), Solid Waste Management Division, or DEQ/Water Quality Division.

2) Prior to disposal any sludges and/or wastewater will be tested, using the Toxicity Characteristic Leaching Procedure (TCLP), for the following parameters:

• Endrin	EPA 509A
• Lindane	EPA 509A
• Methoxychlor	EPA 509A
• Toxaphene	EPA 509A
• 2, 4-D	EPA 509B
• 2, 4, 5 - TP Silvex	EPA 509B
• Naphthalene	

3) Before using any new chemicals that could enter the waste stream the county will provide notification and Materials Safety Data sheets to the DEQ/Water Quality Division.

SR/anc

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

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

Administration	Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 777-7937	(307) 777-7391	(307) 777-7756 FAX (307) 634-0799	(307) 777-7752	(307) 777-7781 FAX (307) 777-5973

May 29, 1991

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

RE: Kissack WDW #1
Permit UIC 91-046, Class I
Campbell County, Wyoming

Dear Mrs. Kissack:

The analyses required to establish if a particular waste is non-hazardous under the TCLP rule can get quite complicated. It would be helpful to discuss these analyses so that you will understand the rational that is being used in approving wastes for disposal.

The most thorough method of proving a waste is non-hazardous is to run the complete TCLP test in conjunction with EP corrosivity, EP ignitability, and EP reactivity. This is usually only required when the waste is from an unknown source, or when the waste is a mixed waste that could contain a wide variety of constituents. These tests are applicable whether the material is liquid water or a sludge containing high percentages of solids. The result of this series of tests, which cost in excess of $3,000.00 is a report that details every regulated compound and quantifies the amounts for each compound. The report includes herbicides, pesticides, polychlorinatedbiphenyls (PCB), solvents, aromatic hydrocarbons, acids, bases, regulated metals, ignitability, and reactivity due to either sulfides or cyanides.

Obviously, most wastes are generated in areas where we know something about the history of these wastes, who generated then and how they were generated. In most cases where you are dealing only with water containing less than 5% solids, the regulation allows for the bypassing of the extraction procedure and analyzing the water directly. This saves quite a bit of analytical cost right off the top. In addition, when one is quite sure that the waste should be of very low concentration, certain tests can be substituted which cost less, but may not identify compounds singly, but only as a class of compounds.

When the waste is from a sump in an oil field related shop, the constituents which might fail are benzene, solvents, metals, corrosivity and ignitability. Accordingly, this department has required analysis for benzene and solvents by EPA method 624, the eight RCRA regulated metals by the appropriate EPA 200 series methods, corrosivity and ignitability.

In some cases, where it can be established that there should not be any benzene present, this department has accepted a TOX test in place of EPA Method 624. The TOX test is a method which tests for the presence of halogenated hydrocarbons as a class of chemicals. It gives one number, rather than a list of concentrations of all of the solvents. In order to use pass this test, the value reported has to be less than the RCRA regulated hazardous waste value for the most stringently regulated halogenated compound. Obviously, there is a risk in using the TOX test. The risk is that the waste may fail the TOX test, requiring that the Method 624 test be run anyway, only to find that the waste will pass the Method 624. The risk is in the cost of running the TOX when the other test might have to done as well.

When it can be established that the waste comes from a source which should not contain solvents or benzene, this department sometimes allows those tests to be waived. A waste such as the Tioro brine illustrates this situation. There was no reason to suspect that that brine solution would contain any solvents or benzene, nor was there any reason to suspect that the brine solution would be either corrosive or ignitable. Therefore, this department did not require those tests.

Sincerely,

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

RL/jt

xc: Jake Strohman

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

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

Administration	Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 777-7937	(307) 777-7391	(307) 777-7756 FAX (307) 634-0799	(307) 777-7752	(307) 777-7781 FAX (307) 777-5973

May 29, 1991

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

RE: Horse Creek Federal 1-8
Permit UIC 88-018, Class I
Weston County, Wyoming

RE: Kissack WDW Well #1
Permit UIC 91-046, Class I
Campbell County, Wyoming

Dear Mrs. Kissack:

This letter authorizes Kissack Water and Oil Service to accept and dispose of groundwaters contaminated with gasoline and/or diesel from leaking underground storage tank sites. This authorization covers only waters which must be removed from these sites, and will run until rescinded by this department. Disposal of this waste does not require analyses. Wastewater generated in conjunction with a leaking underground storage tank site is presently in a deferred status and may be considered to be temporarily exempt from regulation as hazardous waste as defined by 40 CFR 261. This material is not covered by the petroleum exemption to RCRA. Volumes of waste from underground storage tanks should be accounted for on your quarterly reports as a single line entry for all such waste.

This approval does not cover the disposal of UST tank bottom sludges from underground storage tanks. Sludges from these tanks is considered to be hazardous waste under RCRA.

This approval does not cover direct disposal of diesel or gasoline from an abandoned tank. Your company can take diesel or gasoline to your recycling facility in Gillette and recover the product for resale. Because the product would be recycled, this would be a RCRA exempt activity.

This letter also authorizes water accumulated at your recycling facility in Gillette to be injected into either one of the class I injection wells. This water should be accounted for separately, and should be analyzed at least once a year by EPA Methods 624 and the RCRA regulated metals.

Sincerely,

Robert Lucht, P.E.
UIC Program Supervisor

RL/jt

xc: Jake Strohman
Leroy Feusner
Donald McKenzie

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

RF

1890-1990 WYOMING CENTENNIAL A LASTING LEGACY

Department of Environmental Quality

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

Administration	Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 777-7937	(307) 777-7391	(307) 777-7756 FAX (307) 634-0799	(307) 777-7752	(307) 777-7781 FAX (307) 777-5973

April 26, 1991

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

RE: Kissack Water Disposal Well #1
Permit UIC 91-046, Class I
Campbell County, Wyoming

Dear Mr. Kissack:

Enclosed please find the original signed permit for the above referenced injection well. This permit is identical to the draft you previously received except for the inclusion of the following paragraph in section G:

"The first pressure falloff curve described above shall be run within the first 90 days of operation. This first pressure falloff curve shall be run using quartz gauges with an accuracy of .01 psi and shall continue until ambient reservoir pressure has been reached, even if this requires the use of down hole gauges to measure pressures of less than atmospheric. In addition, the Administrator may require the use of quartz gauges on any subsequent test after the first test, if this procedure is deemed necessary to make proper interpretations of the data. All pressure falloff curves required by this permit shall be accompanied by an interpretive report explaining the effects observed during the test, and changes documented since the previous tests."

This paragraph was required by Region VIII of EPA in order to more effectively administer the required pressure falloff curves.

The public comment period ended on April 22, 1991 with no comments received by this office and no requests for information on this permit received from any source outside of the other agencies who review these permits.

This department will wish to witness the running of casing, cementing and initial mechanical integrity tests on this well. Please keep me informed of your progress as you drill and complete this well.

Sincerely,

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

RL/mad

cc: Jake Strohman

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

(X) New

( ) Modified

Permit Number:

91-046
UIC CLASS 1-I

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

Kissack Water and Oil Service, Inc.
P O Box 9
Rozet, Wyoming 82727
(307) 682-9026

is authorized to operate

the Kissack Water Disposal Well No. 1 located in NE SE Section 18, Township 50 North, Range 69 West in Campbell County, Wyoming

according to procedures and conditions of the application 91-046 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

April 30, 1991
Date

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

April 30, 1991
Date

REV 03/05/91

FORM UIC-2

A. Discharge (Injection) Zone and Area of Review

Discharge Zone

This injection well is authorized to inject into the Minnelusa Formation which is found in the well bore from 8,322 to 8,550 feet below the ground surface in the existing Hamm Number 1. Kissack Water and Oil Service shall provide the exact depth interval for the Minnelusa Formation in Water Disposal Well #1 after installation of this well. Additional perforations may be installed within the above named interval of the authorized Formation with the prior approval of the Water Quality Division.

The packer set on the bottom of the tubing shall be set within 200 feet of the top of the authorized discharge zone.

Area of Review

The well authorized by this permit is located in:
Township 50 North, Range 69 West, 6th Principal Meridian
Section 18: NE1/4SW1/4

The Area of Review around this well is legally described as:
Township 50 North, Range 69 West, 6th Principal Meridian
Section: 17: SW1/4 NW1/4, W1/2 SW1/4
Section: 18: S1/2 NE1/4, SE1/4

The above area of review is based on the following assumptions:
Time of Operation: 10 Years (Total of 3,650 Days)
Porosity: 20%
Maximum Injection Rate: 72 gpm (105,000 gpd or 2,500 bpd)
Thickness of Receiver: 50 feet

The above assumptions lead to a radius of fillup of 1,345 feet assuming that injectate moves radially outward from the points of injection.

B. Groundwater Classification

The groundwater in the Minnelusa Formation within the area of review has been designated Class VI groundwater of the state, based on:

1. The depth of this formation is such that production of waters from this formation is not economically or technically practical.

2. This formation contains waters which contain in excess of 26,000 mg/l of Total Dissolved Solids.

3. This formation has produced hydrocarbons in the past. The water in this formation may be assumed to contain high levels of dissolved hydrocarbons.

C. Authorized Operations

The permittee is authorized to inject into the Minnelusa Formation through perforations at 8,370 to 8,400 and 8,450 to 8,550 feet below the surface, oil field produced waters (SIC 13) and other industrial wastes. Existing sources of produced water have been identified in the application. New sources shall be identified prior to injection. Sources previously approved for disposal in the Shell Fox #1 and Horse Creek Federal 1-8 injection well are hereby approved for disposal into this well, until the expiration dates of those individual approvals.

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

1. Hazardous waste as identified by the EPA under 40 CFR 261.3 are not allowed under any circumstances.

2. Prior to injection of any other industrial waste, the permittee shall submit, in writing, a complete chemical analyses for the waste to be injected. This submittal shall include the volume to be injected and the duration of the injection. At a minimum, all wastes to be injected under this paragraph shall be analyzed for all hazardous waste characteristic analyses in use at the time of injection. As of the issue date of this permit the analyses required include EP corrosivity, EP Toxicity using the Toxicity Characteristic Leaching Procedure (TCLP), EP Ignitability, and EP Reactivity. The Water Quality Division may waive individual tests based on the source and nature of the waste to be disposed of. Injection shall not commence until such time as an approval is issued by the Water Quality Division for that injection. The Water Quality Division may issue approvals under this permit for injection of industrial waste from a single source for up to one year from the date of the analysis.

   The composite injection stream may also contain a small amount of Nalco 7801 corrosion inhibitor. Approximately 4-1/2 gallons of inhibitor is used per day. Nalco 7801 is an aqueous solution of alkonal amine phosphate ester and ethylene glycol. Nalco 7801 has been shown to not meet the definition of hazardous waste under RCRA.

   The composite injection stream may also contain a small amount of Betz GCP-188 deposit control additive. Approximately 9 gallons of Betz GCP-188 is used per day. Betz GCP-188 deposit control additive has been shown to not meet the definition of hazardous waste under RCRA.

The permittee is authorized to inject at a rate of 72 gallons per minute (2,500 barrels per day). The permittee shall meter the injection stream continuously and the injection meter shall also include a totalizer.

The permittee is authorized to inject at a pressure of no more than 2,135 psig as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded on a chart recorder.

Within the first six months of operation, the permittee shall conduct a step injection test to determine the actual fracture pressure of the formation. After this test, and subsequent approval by the Administrator, the injection pressure shall be limited to 90% of the fracture pressure as measured at the surface. The permittee may conduct additional step injection tests at a later time to determine changes in the fracture pressure as the injection continues. After acceptance by the Administrator of these tests, the permittee shall limit the injection pressure to 90% of the new fracture pressure as measured on the surface.

The permittee shall monitor continuously the pressure on the casing/tubing annulus and shall maintain a positive pressure on that annulus. The pressure maintained shall be not less than 200 psig nor more than 600 psig.

In the event that the injection pressure and/or rate exceeds authorized limitations such excessive rate or pressure is a violation of this permit and shall be reported pursuant to Section I.6 of this permit.

Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined by 40 CFR 261. Injection of any substance defined as hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

D. Proper Operation and Maintenance

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

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

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

E. Entry and Inspection

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

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

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

2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 3 years after closure of the facility.

3. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;

   b. The name(s) of individual(s) who performed the sampling or measurements;

   c. The date(s) analyses were performed;

   d. Names of individuals who performed the analyses;

   e. The analytical techniques or methods used; and

   f. The results of such analyses.

4. The prescribed program for this permitted activity is as follows:

   The injection zone (Minnelusa Formation) is an oil producing formation overlain by the the Opeche, Dakota, Muddy and Pierre Formations. Because of the excellent confinement provided by these formations, no groundwater monitoring program for near surface groundwaters is required.

Prior to injection of any waste under this permit, the waters in the Minnelusa Formation shall be sampled and analyzed for all of the constituents listed in Table I found on page 9 of Chapter VIII, Wyoming Water Quality Rules and Regulations.

G. Requirements for Monitoring the Discharge

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

The permittee shall monitor the injection pressure continuously and record those readings on a strip chart recorder, a circular chart recorder, or digitally by computer interface with the pressure transducer on the well.

The permittee shall shut in the well covered by this permit annually for a period of time long enough to observe a valid pressure falloff curve. This test shall be considered complete when the pressure curve becomes asymptotic to a horizontal line or when the injection line reaches a vacuum as measured at the surface, whichever occurs first.

The first pressure falloff curve described above shall be run within the first 90 days of operation. This first pressure falloff curve shall be run using quartz gauges with an accuracy of .01 psi and shall continue until ambient reservoir pressure has been reached, even if this requires the use of down hole gauges to measure pressures of less than atmospheric. In addition, the Administrator may require the use of quartz gauges on any subsequent test after the first test, if this procedure is deemed necessary to make proper interpretations of the data. All pressure falloff curves required by this permit shall be accompanied by an interpretive report explaining the effects observed during the test, and changes documented since the previous tests.

The permittee shall monitor the quality of the injected water on an approved schedule. The following parameters shall be analyzed by the listed methods and reported annually:

SAMPLING SCHEDULE	ANALYTICAL METHOD*	PARAMETER ANALYZED	PERMIT LIMIT (UCL)
Annually	EPA 272.2	Silver	5.0
Annually	EPA 239.2	Lead	5.0
Annually	EPA 213.2	Cadmium	1.0
Annually	EPA 218.1	Tot. Chromium	5.0
Annually	EPA 160.1	TDS	
Annually	EPA 150.1	pH	shall be >2.0 & <11.0

*Kissack Water and Oil Service may propose alternate methods for these analyses within the first 180 days of operation under this permit. After acceptance, these methods shall not be changed without Water Quality Division prior approval.

The above Upper Control Limit (UCL) is not to be exceeded on any sample. Exceedence of this value is a violation of this permit and shall require corrective action. All of the UCL's listed in this permit are expressed in mg/l. except pH which is in standard units.

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.

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year.

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.

    The quarterly report of operations for this well shall include the following information:

    a. The minimum, average and maximum daily injection rate for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.

b. The minimum, average, and maximum daily injection pressure for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.

c. The total injection volume in barrels for each month of the quarter, the total for the quarter, the total cumulative injected to date.

d. The maximum and minimum annulus pressure for each month of the quarter.

e. Any permit exceedences within the quarter.

f. Any tests run during the quarter. This includes but is not limited to the results on any Mechanical Integrity Tests, Pressure Falloff Tests, Step Injection Tests, or any well workovers.

g. Quarterly reports are due in the Cheyenne office of the Water Quality Division no later than 30 days after the end of each calendar quarter.

The annual report of operations on this wells shall include the fourth quarterly report and the following additional information:

(1) A graphical representation of the injection pressure and volume for the previous five year's operation. This graph shall have the dates of the year on the abscisa and the pressure and volume as the ordinate.

(2) Graphical representations of the quality of the injected water over time. These graphs shall show the injected quality for the previous five year's operation and shall be prepared on appropriate scales to show the variation.

(3) Analytical results required by section G of this permit.

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:

Part I of the Mechanical Integrity test shall demonstrate the absence of leaks through the packer, tubing, casing, and wellhead.

At least once every five years, and more frequently if required by the Administrator, the permittee shall hold 2,500 psig on the annulus between the long string and the tubing for a minimum of 15 minutes. During this time, the annulus pressure should not drop perceptibly. If a perceptible drop in pressure occurs, the annulus shall be be repressured to 1,200 psig and held for 15 minutes. During this second test, no perceptible pressure drop should occur. This part of the test is considered successful if no more than 50 psig of pressure loss occurs. If there is a perceptible loss in pressure of less than 50 psig, the Water Quality Division may require more frequent tests.

Part II of the Mechanical Integrity test shall demonstrate the absence of fluid movement behind the casing.

At least once every five years, and more frequently if required by the Administrator, the permittee shall perform a standard Radioactive Tracer Survey and Temperature log on this well. The temperature log shall be run with the well shut in and shall be recorded while the tool is lowered into the hole.

The new injection well to be installed under this permit shall be logged for a standard Cement Bond Log prior to injecting any fluid. The Cement Bond Log shall include a microsiesmogram as well as the amplitude curve, natural gamma, and casing collar curves. This well shall also be logged for a Radio-

active Tracer Survey and Temperature Log as above, prior to injecting any fluid.

Other types of logs may be substituted for the above with the prior approval of the Water Quality Division.

All mechanical integrity tests shall be performed after notifying the Water Quality Division at least 30 days in advance so that a Water Quality Division inspector may witness these tests.

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:

The following abandonment procedure shall be followed for the well covered by this permit:

A squeeze cementing operation shall be run with the cement retainer set within 200 feet of the top perforations. This cementing operation shall consist of pumping 100 sacks of 50/50 pozmix cement with 2% allowed gel or class G cement with .4% fluid loss additive. After stinging out of the retainer an additional 400 sacks of class G cement with retarder added shall be emplaced in the casing as the tubing is withdrawn. The remainder of the hole shall be filled with water. Following this operation, the top 500 feet of the hole shall be filled with cement as above and a standard dry hole marker shall be installed on the surface and welded or bolted to the long string.

In no case shall the abandonment procedure be less stringent than that required at the time of abandonment by the Wyoming Oil and Gas Conservation Commission for the abandonment of producing oil wells at the time of abandonment. In no case shall the abandonment procedure be less stringent that that required by the EPA nationwide for class I nonhazardous waste wells at the time of abandonment.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;

2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;

3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;

4. Furnish to the administrator within a reasonable time, any information which the administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

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

The permittee has demonstrated financial responsibility as required by Chapter IX of Wyoming Rules and Regulations in the form of a financial test demonstrating sufficient resources to plug and abandon the nonhazardous waste injection wells covered by this permit.

O. Special Measures the Director Finds Necessary:

The site shall be secure against unauthorized injection. The permittee is free to determine how best to secure the site, but it is the permittee's responsibility to insure that nothing is injected in this well without his knowledge. At a minimum, the injection plant shall be locked to prevent unauthorized access.

Prior to running casing on this well, a geophysical base log shall be run. This log may be an Induction Electric Log with SP, Normal, and Induction curves, a Dual Induction Log, a Sonic Log, or a BHC Density Log. Other logs may be substituted for this base log with prior Water Quality Division approval. The base log shall be run from TD to the base of the surface casing.

Prior to running casing, a porosity log shall be run over the Minnelusa, Opeche, Dakota and Muddy Formations. This porosity log may be either a Sonic Log or a BHC Density Log, but it must be a separate log from the base log. Other porosity logs may be substituted for these porosity logs with prior Water Quality Division approval.

All produced water from the Hamm #1 and Hamm #2 oil wells in Section 17, T50N, R69W shall be disposed of in this new injection well. As long as this disposal well exists, no other disposal option shall be used.

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.

/mad

cc: Paul Osborn, EPA
Jake Strohman

R 7

PERMIT TO CONSTRUCT

PERMIT NO. 91-047

X New
Renewal
Modified

LARSEN RESIDENCE SEPTIC SYSTEM

This permit hereby authorizes the applicant:

CHARLES A. LARSEN
P. O. BOX 97
SARATOGA, WY 82331

to construct, install or modify septic system according to the procedures and conditions of the application number 91-047. The facility is located in NW1/4, Section 31, T18N, R83W 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

May 10, 1991
Date of Issuance

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

MGD/jt

Review of Plans and Specifications

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

PROJECT: LARSEN RESIDENCE SEPTIC SYSTEM

APPLICANT: CHARLES A. LARSEN
P. O. BOX 97
SARATOGA, WY 82331
307-326-8949

WATER QUALITY DIVISION REFERENCE NUMBER: 91-047

REVIEWING OFFICIAL: Maggie Davison

APPROVING ENGINEER: for Louis Harmon

DATE OF REVIEW: April 12, 1991

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

Professional Engineer (Civil)
Lawrence R. Robinson
3312
Date
WYOMING
4/17/91

COMMENTS:

1. The STANDARD TRENCH TYPE SOIL ABSORPTION SYSTEM DETAIL SHEET has not been completed.

/jn

PERMIT TO CONSTRUCT

[X] New Permit No. 91-048

[ ] Renewal

[ ] Modified

LaBarge Infiltration Field Expansion
(Name of Facility)

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

Town of LaBarge

P. O. Box 327

LaBarge, WY 83123

to construct, install, or modify a water infiltration system in the Green River facility according to the procedures and conditions of the application No. 91-048. The facility is located in SE ¼, NE ¼, Sec 6, T26N, 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, 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

March 12, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

BL/jyi

RF

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

(X) New

() Modified

Permit Number:

UIC 91-049
UIC 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, WY 82730
(307) 468-2427

is authorized to operate

a short term acidizing project to rehabilitate the Hulett Municipal water supply well located in T54N, R65W, Section 12, NW1/4 SE1/4

according to procedures and conditions of the application UIC 91-049 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

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

3-5-91
Date

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

March 5, 1991
Date

REV 07/90

FORM UIC-2

A. Discharge (Injection) Zone and Area of Review

The injection zone is limited to the Madison Formation aquifer in the Hulett Madison #1 water supply well. There are no other wells which penetrate this receiver within 1/4 mile of the proposed injection.

B. Groundwater Classification

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

Nothing may be injected into this formation except Hydrochloric Acid with CI-3 inhibitor to protect the casing. At the conclusion of the acidizing job, spent acid 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 20,000 gallons of 20% hydrochloric acid with inhibitor CI-3 into the well covered by this permit. At the conclusion of the treatment, this acid, which should consist of calcium chloride solution at that time, shall be withdrawn from the well for disposal off site. Water shall be pumped from the well until the pH and TDS have returned to baseline values before injection.

The spent acid solution (hydrochloric acid and calcium chloride solution with a TDS of greater than 5,000 mg/l) may also be disposed of in any of the following commercial disposal wells:

NAME OF INJECTION WELL	OWNERS NAME	UIC PERMIT NUMBER
C-H Minnelusa Unit #6	Prima Exploration Company	89-198
Horse Creek Federal 1-8	Kissack Water and Oil Service	88-018

If either of these wells is selected for disposal, the owner of that well shall be provided a copy of this permit for his records.

Disposal of spent acid from this procedure in any other facility shall require Water Quality Division approval prior to disposal.

Disposal of any fluids from this procedure into the Hulett Municipal Wastewater Treatment Plant is specifically not allowed under this permit. This wastewater plant is presently not in compliance with its discharge permits, and additional loading of the kind envisioned by this application will only make this non-compliance worse.

Injection at pressures above the fracture pressure of the Madison Formation is hereby approved. This approval applies only to injection during this stimulation procedure.

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

This permit shall expire after one treatment of this well. The total length of time allowed for injection under this permit shall not exceed 24 hours actual pumping time, and the total elapsed time between the first injection under this permit and the last 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 duration of pumping under this permit, no groundwater monitoring 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 this 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:

There are no mechanical integrity requirements for this permit.

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

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:

This well need not be abandoned after this stimulation.

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.

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.

/mad

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 91-050

Shoshoni Water Metering Equipment
(Name of Facility)

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

Town of Shoshoni

P. O. Box 267

Shoshoni, WY 82649

to install water meters and backflow preventors on all water services facility according to the procedures and conditions of the application No. 91-050. The facility is located in Sec 27 and 28, T38N, R94W 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, 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

March 20, 1991
Date of Issuance

This permit <u>does not</u> supersede the requirements for obtaining any permit from local agencies.

JH/jyi