

PERMIT TO CONSTRUCT

PERMIT NO. 90-401
SEE SPECIAL CONDITIONS

- New
- Renewal
- Modified

Teton Village WWTF Monitor Wells

This permit hereby authorizes the applicant:

Teton Village Water and Sewer District
P O Box 586
Teton Village, Wyoming 83025

to construct, install or modify a system of monitor wells according to the procedures and conditions of the application number 90-401. The facility is located in Section 24 SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 25 NW $\frac{1}{4}$ NE $\frac{1}{4}$ and Section 25 NE $\frac{1}{4}$ NW $\frac{1}{4}$, Township 42 North, Range 117 West in the county of Teton, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

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

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

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

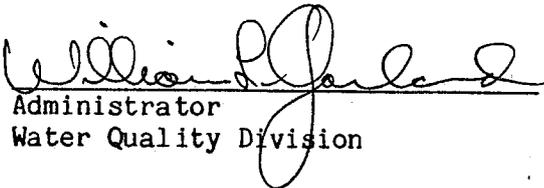
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

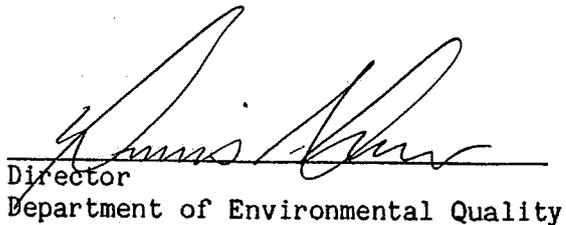
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

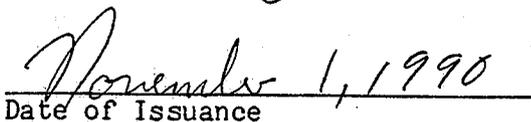
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

Conditions for permit to construct # 90-401

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-401. Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. 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.
3. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered 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.

Conditions to Permit 90-401 (continued)

4. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. The borehole diameter shall be at least 4 inches larger in diameter than the casing diameter;
 - b. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - c. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
5. 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.
6. 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 measurements;
 - f. Sample collection procedures;
 - g. Sampling analytical results;
 - h. A map delineating the extent of the subsurface contamination including soil and dissolved groundwater contamination and concentrations;
 - i. A potentiometric surface map showing the direction of groundwater movement; and
7. 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.

Conditions to Permit 90-401 (continued)

8. All monitor wells associated with this facility shall be sampled and the groundwater analyzed monthly for the following listed parameters:
 - a. Total Phenolics using EPA Method 420.1;
 - b. Nitrate as N, Nitrite as N, and Ammonia as N using EPA Method 353.3 for Nitrate, Method 354.1 for Nitrite, and Method 350.1 for Ammonia;
 - c. Biochemical Oxygen Demand (BOD-5) by EPA Method 405.1;
 - d. Total Cyanide (CN) by EPA Method 335.2;
 - e. Total Dissolved Solids by EPA Method 160.1;
 - f. pH by EPA Method 150.1;
 - g. The results of these analyses shall be submitted to the Cheyenne office by the last day of the month following the end of each month. The first set of results are due by the last day of December, 1990.

RL/jt

xc: Jeff Hermansky

LAND APPLICATION PERMIT

PERMIT NO.: 90-402R
SEE SPECIAL CONDITIONS

Kin-TEX Land Application
(Name of Facility)

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

T.F. Kinsey

P.O. Box 66

Hyattville, WY 82428

to land apply waste oil recovered from frac tanks. The application site is located in Sec. 20, T53N, R101W 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 standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division within 48 hours of the day application will commence 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.

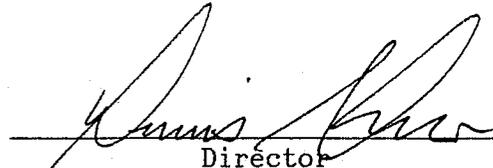
Nothing in this permit shall be construed to preclude the constitution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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.

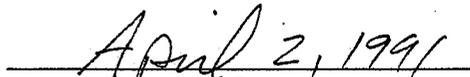
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION STANDARD CONDITION

1. Wasteoil 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 for vehicular application.
3. Wasteoil 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 phone number 332-3144, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wasteoil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Wasteoil and sludge applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied during the period from November 1 to April 30.



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

RECEIVED

FEB 7 1991



Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division
(307) 332-3144

Land Quality Division
(307) 332-3047

Solid Waste Management Program
(307) 332-3144

Water Quality Division
(307) 332-3144

CERTIFIED P 584 340 666

February 6, 1991

Mr. T.F. Kinsey
P.O. Box 66
Hyattville, WY 82428

Dear Mr. Kinsey:

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

Facility Name: Kin-Tex Waste Oil Land Application

DEQ/WQD Reference Number: 90-402

Engineering Consultant: Steedley & Assoc.

DEQ/WQD Review Engineer: Steve Gerber

Date of DEQ/WQD Review: October 30, 1990

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

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

You are reminded that the construction, installation, or modification of any sewage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a permit to Construct is a violation of Wyoming State Statutes, and is punishable with a fine not to exceed \$10,000 for each day of

Mr. T.F. Kinsey
February 6, 1991
Page 2

violation. Unless the Water Quality Division review engineer receives information concerning the status of this project within fifteen (15) days of the receipt of this letter, follow-up action will be taken.

Sincerely,



Steve Gerber, P.E.
Northwest District Supervisor

SG/anc
cc: IPS, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

New

Permit No. 90-403

Renewal

Modified

Wamsutter Water System Chlorinator
(Name of Facility)

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

Town of Wamsutter

Box 6

Wamsutter, WY 82336

to construct a gas chlorination system according to the procedures and conditions of the application No. 90-403. The facility is located in NE 1/4, Section 34, T20N R94W in the County of Sweetwater, in the State of Wyoming.

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

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

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

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

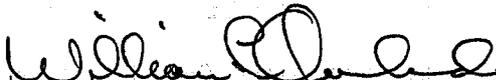
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

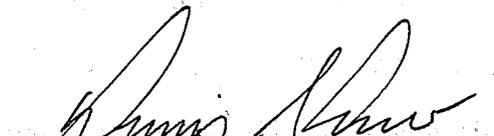
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

Conditions

1. Respiratory protection equipment, meeting the requirements of the National Institute of Occupational Safety and Health (NIOSH), shall be available and stored at a convenient location. The unit shall be compressed air and have at least a 30 minute capacity.
2. A gas chlorination repair kit approved by the Chlorine Institute shall be provided for each size container stored at the facility.

BL/anc

PERMIT TO CONSTRUCT

PERMIT NO. 90-405
SEE SPECIAL CONDITIONS

New CORRECTED
 Renewal
 Modified

CHEVRON U.S.A. STATEWIDE ANODE

This permit hereby authorizes the applicant:

Chevron U.S.A., Inc.
P. O. Box 599
Denver, CO 80201

to construct, install or modify a deep groundbed anode system according to the procedures and conditions of the application number 90-405. The facility is located Statewide in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

Date of Issuance

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

SPECIAL CONDITIONS ON PERMIT TO CONSTRUCT 90-405

1. The cathodic protection deep anode ground bed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-405.
2. After the deep anode bed has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after the well is plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:
 - a. The surface of each hole shall be protected with 20 feet of 8 inch Schedule 40 PVC casing which shall be cemented in place from top to bottom. The hole diameter for this 8 inch casing shall be no less than 12 inches to allow adequate room for the cement seal.
 - b. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension.
 - c. The coke breeze shall be a high quality product containing a minimum of leachable metals or organic pollutants. The coke breeze shall not discharge any pollutant which will cause a groundwater standards violation.
 - d. Surface access to the anode shall be kept sealed and locked at all times when the anode is not actually being serviced.

Conditions to Permit 90-405 (continued)

- e. Each separate aquifer penetrated shall require a separate breather pipe. Each aquifer shall remain in hydrologic isolation after installation of the anode if they were isolated before installation.
4. Within 45 days after the well is installed, as built construction plans shall be submitted to the Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during the installation of the groundbeds.
5. If it becomes necessary to wet any anode installed under this permit, only water from an approved public water supply shall be used unless the Water Quality Division is first supplied with an analyses for approval. Waters that originate from other than an approved public water supply shall not be used unless first approved.
6. An unlimited number of similar anodes may be installed statewide under this permit. This authorization applies to Chevron, U.S.A., Inc. and all subsidiaries operating in Wyoming. All anodes installed under this permit shall have similar construction specifications.

RL/mad/nc



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

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

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

January 7, 1991

Tim Russ
Environmental Specialist
Chevron U.S.A., Inc.
6400 South Fiddler's Green, P.O. Box 599
Denver, Colorado 80201

RE: Chevron Statewide Anode Permit
Permit UIC 90-405
Statewide, Wyoming

Dear Mr. Russ:

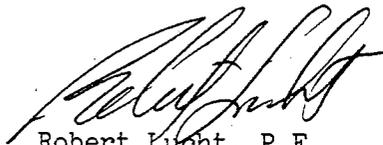
This department received your typical anode drawing on December 19, 1990 which shows several technical problems that prevent us from issuing this permit at this time. The drawing shows a single vent pipe perforated from top to bottom. This arrangement guarantees interaquifer communication, something that the permitting process is supposed to prevent. In addition, the standard plans do not show the required bentonite seals between different aquifers. These plans actually do not show that the 8 inch surface casing is to be cemented in place top to bottom. This drawing should be re-submitted in 4 copies to reflect these changes. The drawing should also show what type of seal is to be installed between the base of the casing and the top of the coke breeze. If it is necessary to water these anodes, this interval should be behind casing. If it is not necessary to water these anodes, this interval should be sealed with bentonite or filled with cuttings with bentonite seals between aquifers.

Your proposal to have each as-built drawing certified by a professional engineer is acceptable, but not required if the original plans are so certified. Please have the re-submitted plans certified by a professional engineer registered in Wyoming.

Tim Russ
January 7, 1991
Page 2

Enclosed, for your information is a draft of the specific conditions to be included in this permit.

Sincerely,



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

RL/jn

Enclosure

xc: Jake Strohman, DEQ/WQD

DRAFT PERMIT TO CONSTRUCT

PERMIT NO. 90-405
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

CHEVRON U.S.A. STATEWIDE ANODE

This permit hereby authorizes the applicant:

Chevron U.S.A., Inc.
P. O. Box 700
Rock Springs, Wyoming 82902-0700

to construct, install or modify a deep groundbed anode system according to the procedures and conditions of the application number 90-405. The facility is located Statewide in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

Date of Issuance

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

SPECIAL CONDITIONS ON PERMIT TO CONSTRUCT 90-405

1. The cathodic protection deep anode ground bed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-405.
2. After the deep anode bed has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after the well is plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:
 - a. The surface of each hole shall be protected with 20 feet of 8 inch Schedule 40 PVC casing which shall be cemented in place from top to bottom. The hole diameter for this 8 inch casing shall be no less than 12 inches to allow adequate room for the cement seal.
 - b. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension.
 - c. The coke breeze shall be a high quality product containing a minimum of leachable metals or organic pollutants. The coke breeze shall not discharge any pollutant which will cause a groundwater standards violation.
 - d. Surface access to the anode shall be kept sealed and locked at all times when the anode is not actually being serviced.

Conditions to Permit 90-405 (continued)

- e. Each separate aquifer penetrated shall require a separate breather pipe. Each aquifer shall remain in hydrologic isolation after installation of the anode if they were isolated before installation.
4. Within 45 days after the well is installed, as built construction plans shall be submitted to the Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during the installation of the groundbeds.
5. If it becomes necessary to wet any anode installed under this permit, only water from an approved public water supply shall be used unless the Water Quality Division is first supplied with an analyses for approval. Waters that originate from other than an approved public water supply shall not be used unless first approved.
6. An unlimited number of similar anodes may be installed statewide under this permit. This authorization applies to Chevron, U.S.A., Inc. and all subsidiaries operating in Wyoming. All anodes installed under this permit shall have similar construction specifications.

RL/jn

DRAFT

PERMIT TO CONSTRUCT

New

PERMIT NO. 90-406

Renewal

Modified

HEIN SEPTIC SYSTEM
(Name of Facility)

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

RONNIE E. and DEBRA J. HEIN
P.O. BOX 884
NEWCASTLE, WY 82701

to construct, install or modify a septic tank and leach field wastewater disposal facility according to the procedures and conditions of the application No. 90-406. The facility is located in Section 4, T45N, R61W in the County of Weston in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

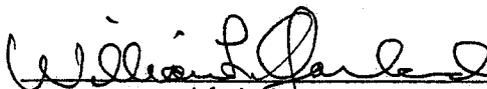
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

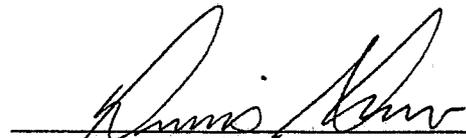
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

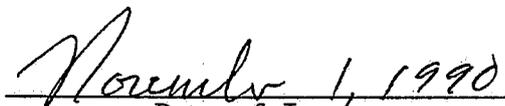
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

GPB:pr

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-407

Hanson Caretaker Trailer Septic Tank/Leach Field
(Name of Facility)

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

Fred Hanson Jr.

P.O. Box 1032

Thermopolis, WY 82443

to install a septic tank/leach field facility according to the procedures and conditions of the application No. 90-407. The facility is located in SW 1/4 Section 34, 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 from the date of issuance of this permit.

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

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

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

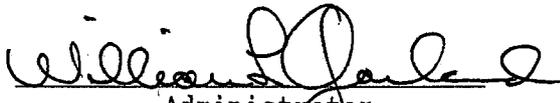
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

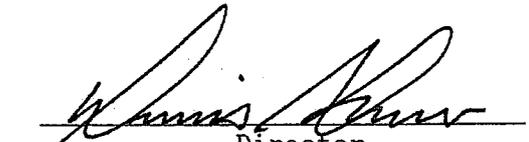
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

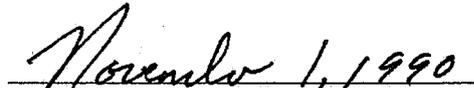
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

JH/anc

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-408
*Conditioned

Bitter Creek Leak Site
(Name of Facility)

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

Conoco, Inc.

c/o Steve Strollo

6855 S. Havana St., Ste 600

Englewood, CO 80112

to install a series of soil borings and/or groundwater monitoring wells according to the procedures and conditions of the application No. 90-408. The facility is located in NW 1/4 SW 1/4 Section 20, T18N, R106W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

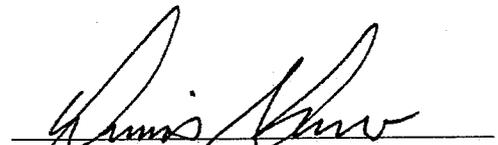
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

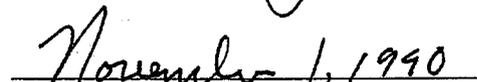
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

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 89-408. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G.

However a sufficient seal shall be installed according to normal engineering practice.

3. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.
5. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;

- e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. Factory slotted casing is recommended for the perforated interval. Slotted casing shall extend 1-2 feet above highest expected groundwater table;
 - g. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - h. 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 by the last day of the month following the end of each quarter.

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.

DG/anc
cc: Jake Strohman

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-409

Table Rock Village Wastewater Treatment Plant
(Name of Facility)

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

Colorado Interstate Gas

P.O. Box 1087

Colorado Springs, CO 80944

to construct, install, or modify a return activated sludge air lift pumping system facility according to the procedures and conditions of the application No. 77-21RRR & 84-583. The facility is located in SE 1/4, SE 1/4, Section 11, T19N, R98W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

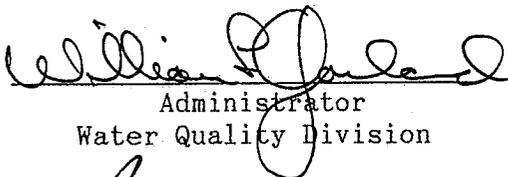
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

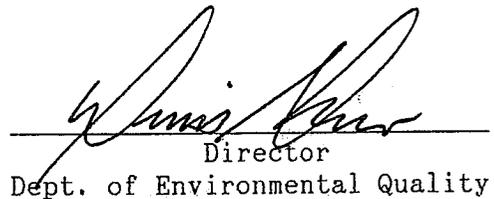
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

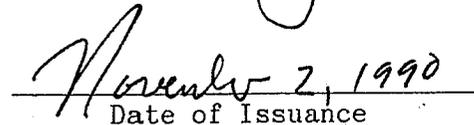
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

BL/anc

PERMIT TO CONSTRUCT

New

PERMIT NO. 90-410

Renewal

Modified

SHERIDAN COUNTY FAIR GROUNDS
(Name of Facility)

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

JIM WAGNER, CHAIRMAN
SHERIDAN COUNTY FAIR ASSOCIATION
1753 VICTORIA AVENUE
SHERIDAN, WY 82801

to construct, install or modify awater distribution system extension and sanitary sewer system relocation improvements facility according to the procedures and conditions of Application No. 90-410. The facility is located in Section 28, T56N, R84W, in the County of Sheridan in the State of Wyoming.

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

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

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

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

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

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

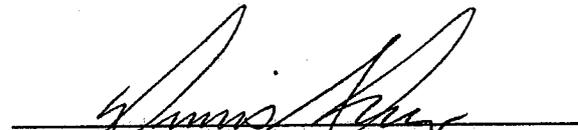
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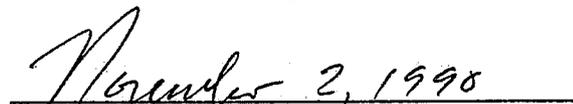
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

GPB:pr



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

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

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

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

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

November 28, 1990

Mini Mart, Inc.
ATTN: Chuck Anderson
P O Box 3259
Casper, WY 82602

RE: Permit application #90-411, Mini Mart #105, SW1/4, NE1/4, S2, T33N, R79W, Casper, Wyoming, Natrona County

Dear Mr. Anderson:

Your application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/DM/nc

PERMIT TO CONSTRUCT

New

Permit No. 90-412

Renewal

Modified

1901 Frontage Road, Rock Springs, WY
(Name of Facility)

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

Conoco, Inc.

c/o Steve Strollo

6855 S. Havanna, Ste 600

Englewood, CO 80112

to install a series of soil borings to the water table at the above referenced according to the procedures and conditions of the application No. 90-412. The facility is located at 1901 Frontage Road, Rock Springs in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

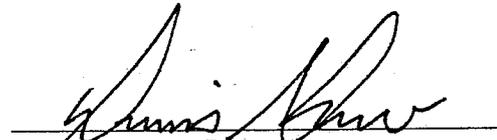
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

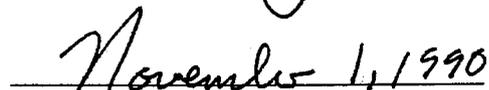
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

DG/anc

PERMIT TO CONSTRUCT

New

Permit No. 90-413

Renewal

Modified

YNP Canyon Village Tank Farm
(Name of Facility)

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

Barry Cantor

Yellowstone National Park, WY 82190

to install four ground water monitoring wells at the Canyon Tank Farm according to the procedures and conditions of the application No. 90-413. The facility is located in Yellowstone National Park, Canyon Village 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.

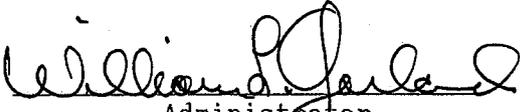
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

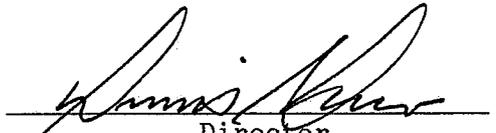
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

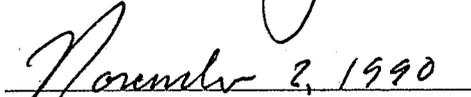
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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


Date of Issuance

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

Conditions for Monitoring Wells

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-413. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.

3. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.
5. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;

- e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. 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. Final location, construction details and logs of all monitoring wells;
 - b. Geohydrolic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
 - c. Water level and product thickness measurements;
 - d. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - e. A potentiometric surface map showing the direction of groundwater movement; and
 - f. 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
YNP Canyon Village Tank Farm
90-413
Page 5

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, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

R.F.

PERMIT NO. 90-414
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

MDT Groundbed Anodes

This permit hereby authorizes the applicant:

Union Pacific Resource Company
ATTN: Martin D. Talbott
P O Box 700
Rock Springs, WY 82902-0700

to construct, install or modify deep groundbed anode system according to the procedures and conditions of the application number 90-414. The facility is located in Statewide in the county of Statewide, 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.

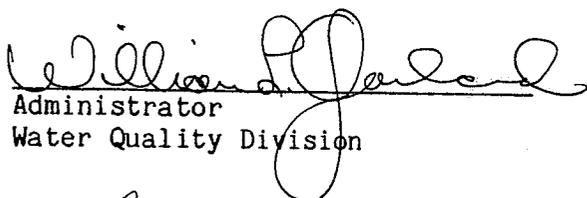
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

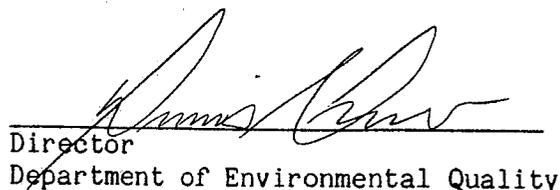
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

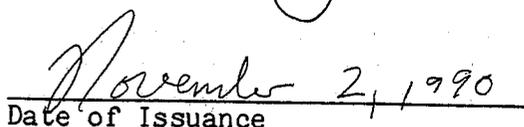
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Department of Environmental Quality


Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-414

1. The cathodic protection deep anode groundbed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-414.
2. After the deep anode bed has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after the well is plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:
 - a. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension. The highest aquifer encountered shall be isolated from surface water using a 2 feet thick bentonite seal.
 - b. The coke breeze shall be a high quality product containing a minimum of leachable metals or organic pollutants. The coke breeze shall not discharge any pollutant which will cause a groundwater standard violation.
4. Within 45 days after the well is installed, as built construction plans shall be submitted to the Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during the installation of the groundbeds.

Conditions to Permit 90-414 (continued)

5. An unlimited number of similar anodes may be installed during the term of this permit anywhere within the State of Wyoming. All installations are to have similar construction specifications.

RL/nc

cc: Rodney D. Einer, 820 Garfield Lane, Rock Springs, WY 82901

file

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

(X) New

Permit Number: UIC 90-415

() Modified

UIC Subclass Number: 5A7

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),

Wyoming National Bank,
134 East First Street
Casper, Wyoming 82601
(307) 266-1100

is authorized to operate

A closed loop heat pump for the purpose of disposing of waste heat by underground injection in the NW1/4, Section 4, Township 33 North, Range 79 West, of the 6th Principal Meridian; according to the procedures and conditions of application UIC 90-415 and requirements and other conditions of this permit.

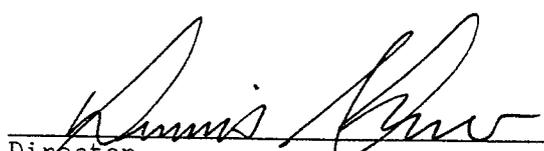
according to procedures and conditions of the application 90-415 and requirements and other conditions of this permit.

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

November 9, 1990
Date



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

November 13, 1990
Date

A. Discharge (Injection) Zone and Area of Review

This injection well is authorized to inject waste heat and cold only into the Alluvial aquifer along the North Platte River which is/are found at this location from 0 to 180 feet below the ground surface.

The facility authorized by this permit is located in:
Township 33 North, Range 79 West, 6th Principal Meridian
Section 4: NW1/4

The Area of Review around this facility is legally described as:
Township 33 North, Range 79 West, 6th Principal Meridian
Section 4: NW1/4

B. Groundwater Classification

The groundwater in the Alluvial Aquifer of the North Platte River is classified as class I under Chapter VIII of Wyoming Water Quality Rules and Regulations (April 9, 1980). This classification was made because:

- a. The groundwater in this formation is assumed to meet all of the quality standards set forth in Chapter VIII for class I water;
- b. The groundwater in this formation is presently being used as a source of water which meets the definition of class I.

Groundwater of class I shall not be degraded so as to make it unusable as a source of water for this purpose. Any parameters which do not meet the class of use standard shall not be degraded whatsoever.

C. Authorized Operations

The permittee is authorized to inject waste heat or cold only. No wastewaters of any description shall be injected under this permit

The permittee is authorized to operate a closed loop heat pump system consisting of 20 wells drilled to a depth of 180 feet. Each well will be approximately 6 inches in diameter and a 1 inch polypropylene tubing with fused joints will be installed and pressure checked. The hole shall be sealed with drilling mud having a 10 minute gel strength of at least 20 pounds per 100 square feet and a filtrate volume not to exceed 13.5 cubic centimeters. All mud shall be emplaced through a tremie pipe to the bottom of the hole. The completed loops shall be pressure checked to at least 10 percent above operating pressure.

The completed systems shall have controls placed so that any leak in any of the 20 wells will cause the system to shut down. After determining the location of the leak, that individual well or branch shall be isolated and abandoned.

When abandoning wells under this permit, all fluid in the loop shall be displaced with clean water to the extent possible. Fluid recovered may be used as makeup for any replacement system or disposed of in an approved manner.

Circulating fluid shall be non-toxic. Ethylene glycol shall not be used in this system in any case. Twenty percent propylene glycol shall be circulating fluid in this system. Any other non-toxic fluid may be used if Water Quality Division approval is obtained prior to installation.

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

Because of the type of waste, (heat only) and the relatively small size of this system, no groundwater monitoring plan 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.

This system shall be continuously monitored for any leakage. The system as designed should limit any accidental discharge to the volume of the piping involved in the leak.

If a leak occurs, or any fluid is added to this system, the permittee shall report this fact to the Water Quality Division within 24 hours of its detection by telephone. This report shall be followed within 7 days by a written report detailing the nature of the fluid lost, its concentration and the approximate volume released. This report shall also include any remedial measures already taken.

No other reports are required by this permit.

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:

Mechanical integrity of this system shall be monitored at all times. Any loss of mechanical integrity shall cause the entire system to become inoperable and will trigger the required leak reports.

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:

Any loop constructed under this permit shall be abandoned properly at the conclusion of its useful life. The circulating fluid shall be displaced with clean water and then removed from the circuit. All fluids recovered shall be disposed of in an approved manner at the time of abandonment. Prior to final abandonment, the entire circuit shall be filled with a bentonite slurry meeting the specifications found in section C of this permit for the drillhole seals.

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:

A notice shall be posted in each location where system components are located included the rooms where the actual heat pumps are located and the rooms where the circulating pumps are located. The exact wording of this notice shall be:

"IN CASE OF A LEAK you are required to report this fact immediately upon discovery to the Water Quality Division by telephone to (307) 777-7081. This report shall be followed by a written report within 7 days addressed to:

WYOMING DEQ, WATER QUALITY DIVISION
UIC PROGRAM SUPERVISOR
HERSCHLER BUILDING, 4TH FLOOR WEST
122 WEST 25TH STREET
CHEYENNE, WYOMING 82002"

All words in all capital letters above shall be a minimum of 2 inches high and the remaining words shall be 1 inch high.

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.

/jn

RF.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 90-416

Jackson STP Aeration System Upgrade
 (Name of Facility)

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

Town of Jackson

P. O. Box 1687

Jackson, WY 83001

to construct and install additional mechanical aeration facilities in Lagoon #1 according to the procedures and conditions of the application No. 90-416. The facility is located in Sec 29, T40N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

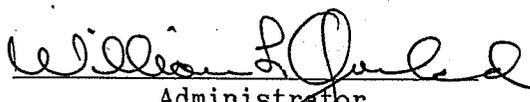
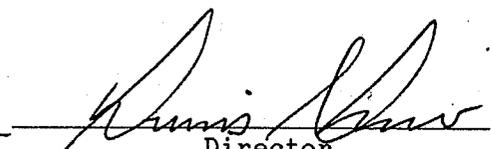
at the above location, for the purpose of compliance with the provisions of this construction permit.

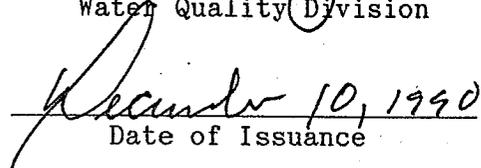
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


Date of Issuance

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

JH/jyi



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

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

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

April 2, 1991

Mr. John F. Mahoney
Department of State Parks and Historic Sites
2301 Central Avenue, Barrett Building
Cheyenne, WY 82002

RE: Edness Kimball Wilkins State Park Disposal System, S2, T33N, R78W,
Casper, Natrona County, Wyoming
Application Number 90-418

Dear Mr. Mahoney:

The Water Quality Division has determined that the proposed disposal system (referenced above) would be classified as a class V underground injection well and as such can not be permitted under current rules and regulations. Therefore the original application is being returned to you. This determination was made based on the fact that the system would not be capable of treating the wastewater generated by the reverse osmosis system. Since the near surface aquifer is currently being used for drinking water, the aquifer is considered class I drinking water. The Water Quality Division rules and regulations strictly prohibit injection into class I waters of the state.

As previously discussed, this division recommends using an approved public water supply system to provide drinking water at the site. If you decide to use the reverse osmosis system, there are alternatives to disposing of the wastewater without injecting back into the aquifer, including evaporation ponds or temporary storage. We would be happy to meet with you and discuss the advantages and disadvantages of these other options.

If you have any further questions, feel free to call Scott Forister or Lou Harmon of my staff.

Sincerely,

William Garland, P.E.
Administrator
Water Quality Division

WLG/SCF/nc
Enclosure

PERMIT TO CONSTRUCT

PERMIT NO. 90-419

X New
Renewal
Modified

Lovell 1991 Water & Sewer Extensions

This permit hereby authorizes the applicant:

Town of Lovell
336 Nevada Avenue
Lovell, WY 82431

to construct, install or modify water and sewer main extensions east of town according to the procedures and conditions of the application number 90-419. The facility is located in Lot 45 resurvey, T56N, R96W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; telephone (307) 332-3144.

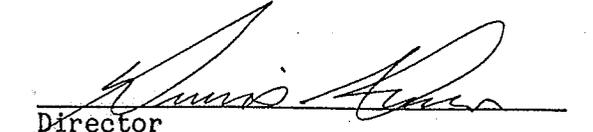
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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.

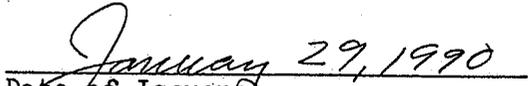
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

JH/jyi/nc

PERMIT TO CONSTRUCT

New

Permit No. 90-420RR

Renewal

Modified

Alpendorf Subdivision

(Name of Facility)

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

Clarence L. & Dorothy Reinhart

P.O. Box 258

Alpine, WY 83127

to construct a water distribution and wastewater collection system for 13 R.V. pads, 2 mobile home sites and a wholesale bakery according to the procedures and conditions of the application No. 90-420RR. The facility is located in South 1/2, Section 20, Township 37N, Range 118W 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.

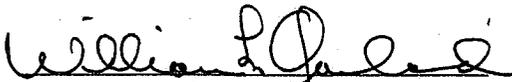
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

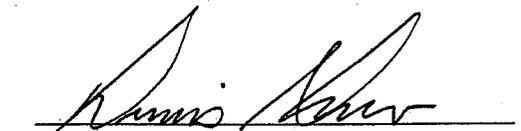
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

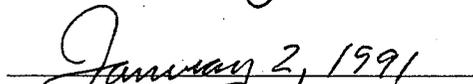
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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


Date of Issuance

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

SR/anc

PERMIT TO CONSTRUCT
CONDITIONS

- [X] New
[] Renewal
[] Modified

Permit No. 90-421

Vista Grande Wastewater System
(Name of Facility)

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

Tom Schell

P. O. Box 294

Teton Village, Wyoming 83025

to construct an extension to existing leach bed facility according to the procedures and conditions of the application No. 90-421. The facility is located in NW 1/4 Section 13, T41N, R117W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable 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.

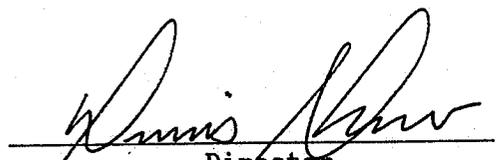
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

November 27, 1990
Date of Issuance .

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

JH/jyi

CONDITIONS

This permit is granted to allow the construction of additional wastewater disposal capacity while permanent disposal plans are being developed. It is understood that the total disposal area will not meet the minimum required for maximum design flow. Therefore, this permit is granted with the following conditions:

1. By August 15, 1991, plans must be submitted for a disposal system that will meet the requirements of the Water Quality Rules and Regulations;

or

Documentation provided showing an agreement for connection to a centralized sewage disposal system.

2. A new on site disposal system or connection to a centralized sewage system must be constructed by November 30, 1991.
3. Groundwater levels in the observation wells must be recorded monthly. It is the owners responsibility to restrict flow to the system if failure appears eminent.

R.F.

LAND APPLICATION PERMIT

Permit No. 90-422
SEE SPECIAL CONDITIONS

Waugh Dome Land Application
(Name of Facility)

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

E. C. Yegen

P. O. Box 4900

Casper, WY 82604

to land apply 70 cy of oil contaminated gravel. The application site is located in Sec 7, T44N, R96W in the county of Hot Springs in the State of Wyoming. This permit shall be effective for a period of one (1) (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.

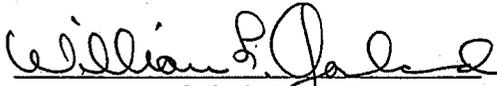
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division within 48 hours of the day application will commence 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.

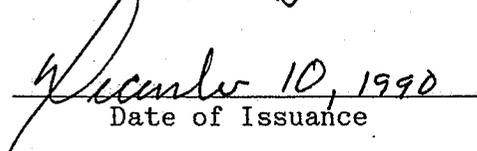
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



December 10, 1990
Date of Issuance

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

SG/jyi

LAND APPLICATION STANDARD CONDITION

1. Applications shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. Application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainage, irrigation canals, lakes and reservoirs.
3. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Steve Gerber, 250 Lincoln St., Lander, WY 82520 phone number 332-3144, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
4. Material applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied during the period from November 1 to April 30.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-423
SEE CONDITIONS

EAGLE BUTTE MINE
WASTE OIL TANK GW REMEDIATION
(Name of Facility)

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

Amax Coal Company
Eagle Butte Mine
PO Box 3005
Gillette, WY 82717-3005

to construct, install or modify a groundwater restoration system according to the procedures and conditions of the application No. 90-423. The facility is located in Section 21, T.51N., R.72W., in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

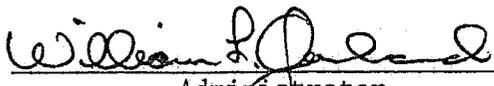
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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 (307) 672-6457.

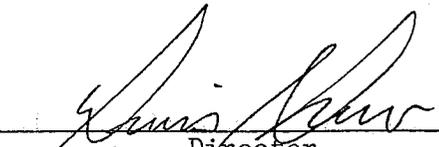
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

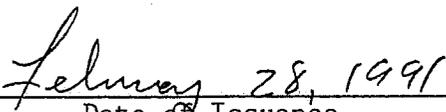
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

CONDITIONS

1. Once the recovery system has been installed, the owner will provide the Department of Environmental Quality, Water Quality Division, with a report that details the construction.
2. The results of any analyses conducted on soil or water removed from this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
3. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
4. Within fifteen (15) days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.

5. The issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination study and any future remedial actions which may be required.

6. The permittee shall notify the Department of Environmental Quality, Water Quality Division, five (5) days prior to the exact dates of drilling and installation.

7. The permittee shall notify the division of the name, phone number and address of the on-site operator of the recovery system.

8. The permittee shall operate the recovery system continuously unless Department of Environmental Quality, Water Quality Division, allows other operational plans. The division shall be notified immediately in the event that the recovery system is not operational for more than 24 hours.

9. Prior to operation of the recovery system, an approved Operation and Maintenance Manual shall be provided to the division and to all operators. The O & M Manual shall contain, at a minimum, a schematic, operations guide, maintenance schedule, troubleshooting guide, discharge requirements and limitations, Department of Environmental Quality contact, provisions in the event of a spill, methods for handling and disposing of product and contaminated water in a proper manner, and safety requirements.

10. The recovery system shall be "winterized" to prevent freeze-up and breakdown.

11. A status report shall be provided to the division on a quarterly basis with reports due by the last day of January, April, July and October. The report shall include at a minimum, volumes pumped of water and product, downtime and dates, effectiveness of the recovery system, monitoring data for all monitor wells and the recovery well current pumping rates and radii of influence. Monitor wells shall be sampled quarterly for 1,1,1 Trichloroethane. All reports are due within 30 days of the end of each quarter.

12. In the event the system does not operate as planned or effectively, provisions shall be made for correcting the deficiencies. In any event, the product and related dissolved constituents shall be recovered and cleaned up in a timely and diligent manner until restoration has been determined complete by Department of Environmental Quality, Water Quality Division.

13. This recovery system shall be installed and made operational by the last day of April 1991.

14. The NPDES section shall be contacted and all letters of approval or permits required obtained prior to release of wastewater into approved wastewater treatment facilities or waters of the state.

Conditions (Continued)

Page Four

15. The extent of contamination must be delineated prior to installation of this system. In addition, the proposed system must be installed in such a manner as to minimize the further migration of contaminants. A downgradient uncontaminated well shall be monitored.

16. The proposed system is authorized for dissolved constituents, only. In the event that separate phase contaminants exist, a second/alternative recovery system shall be proposed by the permittee. A second proposal shall be submitted within 90 days of separate phase product confirmation.

EJL:pr



THE STATE

OF WYOMING

RECEIVED

SEP 20 1991



WATER QUALITY DIVISION

Department of Environmental Quality

Air Quality Division
2161 Coffeen, Suite 501
Sheridan, Wyoming 82801
(307) 672-6457

Water Quality Division
2161 Coffeen, Annex
Sheridan, Wyoming 82801
(307) 672-6457

September 18, 1991

Marathon Co

Mr. Roger Thompson
Marathon Oil Company
P.O. Box 2690
Cody, WY 82414

RE: Permit Applications 90-424 and 90-459

Dear Mr. Thompson:

Pursuant to your September 3, 1991, letter referencing the above permit applications, I am returning your permit applications to close our files. Thank you for your cooperation.

Yours truly,

Donald R. McKenzie
District Supervisor
Water Quality Division

DRM/pr
Enclosures

cc: IPS, Cheyenne, w/Enclosures
District Permit File w/Enclosures

Rocky Mountain Region
Production United States



P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4966



September 3, 1991

Mr. Donald McKenzie
District Supervisor
Water Quality Division
Department of Environmental Quality
2161 Coffeen, Annex
Sheridan, WY 82801

RECEIVED

SEP 20 1991

WATER QUALITY DIVISION
WYOMING

RE: PERMIT APPLICATIONS 90-424 AND 90-459

Dear Mr. McKenzie:

Marathon has turned operation of the Sandbox wells over to the unit operator Kerr McGee. Please close these permit requests as time and other conditions leave us with no alternative but to allow the reserve pits to dry naturally.

Sincerely,

Roger L. Thompson
Environmental and
Safety Representative

RLT:cel (3151)



THE STATE

OF WYOMING



Department of Environmental Quality

Air Quality Division
2161 Coffeen, Suite 501
Sheridan, Wyoming 82801
(307) 672-6457

Water Quality Division
2161 Coffeen, Annex
Sheridan, Wyoming 82801
(307) 672-6457

August 30, 1991

Mr. Dave Searle
Marathon Oil Company
P.O. Box 2690
Cody, WY 82414

RE: Permit Applications 90-424 & 90-459

Dear Dave:

I recently came across the referenced permit applications that Marathon submitted to our office in December, 1990. As I recall from our telephone conversations in May and June of this year, Marathon had a unitization deadline for disposing of the reserve pit fluids and we were unable to satisfy DEQ/WQD regulations and policies before it expired.

I would now like to close these permit applications if Marathon no longer wishes to proceed with them. A letter from Marathon expressing this desire will allow me to do so. Thanks for your assistance.

Yours truly,

Donald R. McKenzie
District Supervisor
Water Quality Division

DRM/pr

PERMIT TO CONSTRUCT

PERMIT NO. 90-425
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

SITE 1 WASTEWATER COLLECTION AND STORAGE SYSTEM

This permit hereby authorizes the applicant:

PORK TECH INDUSTRIES, LTD
2830 Road 159, RR1 Box 7-A
Albin, WY 82050

to construct, install or modify wastewater system according to the procedures and conditions of the application number 90-425. The facility is located in SW1/4 NE1/4 Section 6 T16N R60W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

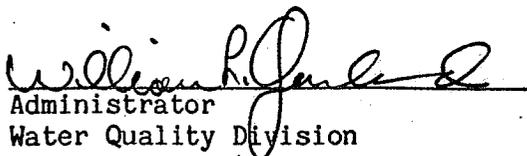
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

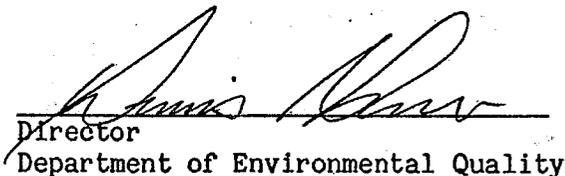
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

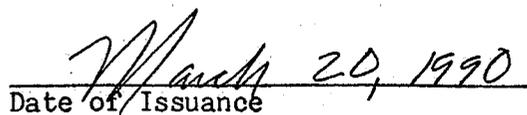
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Department of Environmental Quality


Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-425

1. This facility is being permitted with unlined lagoons under the provisions of DEQ/WQD Chapter XIII Section 4(d)(6) which states "A discharge which results in concentrations in excess of standards shall be permitted if post-discharge water quality can be returned to water quality standards or better quality."
2. The third well proposed southeast (below) Cell 2 shall be installed and operated to produce a drawdown at least equal to Wells 1 and 2. Each well shall be equipped with a totalizing flow meter maintained in good operating order.
3. This permit is issued based on the drawdown cone and radius of influence predicted by the Lidstone and Anderson report of February 20, 1991. Provided that the Lidstone and Anderson predictions are accurate, groundwater protection is guaranteed. The water necessary to conduct the operation produces the necessary drawdown.
 - a. In order to verify the groundwater model, the following sampling schedule and procedure shall be followed for Wells 1, 2, 3, and Jessen #5:
 - (1) Background data shall be established from a one time sampling event before the lagoons or pumps are placed in operation. Thereafter, sampling events shall occur in August and February or March for the next four years. If at that time conditions warrant, the sampling may be extended for the life of the facility at the discretion of DEQ/WQD. The sampling activities will be extended if the nitrate levels in the groundwater exceed 10 ppm N or if the drawdown cone does not clearly contain the lagoon area infiltration.
 - (2) The semiannual report will include a cover sheet that is a 1 inch = 500 feet map that shows the location and surface elevation of the 4 wells and other physical facilities on site. The following format

Conditions to Permit 90-425 (continued)

shall be used to report sampling results. The master report should be maintained by Pork Tech and an updated copy mailed to DEQ/WQD within 45 days of the sampling event.

Pork Tech Industries cumulative semiannual reports 1991 to 1995
All water levels are reported as above msl, all nitrate levels as ppm N

DATE	WELL #1		WELL #2		WELL #3		JESSEN #5	
	water level (msl)	total N (ppm)	water level	total N	water level	total N	water level	total N
(sample data)								
4/1/91	Average live animal weight on site: 1,000,000 lbs							
total water pumped	7,776,000 gal		13,000,000 gal		12,500,000 gal		7.7gph/1000#	
	4034	6.6	4040	5.3	4028	4.8	4063	10
8/11/91	Average live animal weight on site: 920,000 lbs							
total water pumped	8,206,000 gal		12,750,000 gal		13,400,000 gal		8.6gph/1000#	
	4029	5.8	4033	8.0	4023	5.1	4012	12.5

4. For the containment by drawdown and waste treatment to function properly a maximum allowable infiltration rate must be established. The allowable infiltration rate has been arbitrarily established as one fourth of the projected inflow. This translates to 3/4 inch per day of allowable infiltration. Using clean water before startup, the constructed facilities shall be filled to a minimum depth of two feet. The infiltration rates shall be verified by a licensed engineer with a report to be submitted to DEQ/WQD before startup.
5. When use of the facility is discontinued for more than 30 days, the lagoons shall be emptied and the sludges utilized as fertilizers at application rates that do not exceed common agricultural practices. If nitrates levels in groundwater exceed 10 ppm with more than 5 ppm attributable to this operation, the wells must be operated after the facility is closed. The well operation will continue until the nitrate levels return to background or 10 ppm, whichever is the larger value, for a period of one year.
6. The design of this facility is approved under Section 5 of Chapter XI of the Wyoming Water Quality Rules and Regulations which allows new technology. A quite extensive Engineering Design Report as required by Section 6 has been provided, including a geotechnical soils report by Empire Laboratories and a groundwater evaluation by Lidstone and Anderson. The authoritative design handbook is "Livestock Waste Facilities Handbook" published by the Midwest Plan Service of Ames, Iowa. The total volume and the depth of lagoons in this design is in accordance with this document. However this handbook recommends a minimum first lagoon volume at least twice the volume provided in this design. Because of this the following operation restrictions are made permit conditions:
 - a. The first cell shall receive a minimum hourly inflow of 6 gph for each 1000 pounds of live animal weight on site.

Conditions to Permit 90-425 (continued)

- b. The first cell shall have a minimum operating depth of 8 foot and shall normally operate with a depth of at least 12 foot.
7. The design shows a capability to remove liquids from the second cell for land application. Before liquid removal can be allowed a land application permit must be obtained from DEQ/WQD.

LBH/nc

cc: AVI Inc.



The State
of Wyoming



Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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February 23, 2000

Mr. Myron Gompert, President
Pork Tech Industries
P.O. Box 97
Albin, WY 82050

RE: Inspections of Pork Tech Sites No. 1 and 2, DEQ/WQD Permits 90-425 and 92-192

Dear Mr. Gompert:

I appreciate the time that you and your environmental manager, Jennifer Pratt, took to visit your Sites No. 1 and 2 with me the morning of February 17, 2000. Before inspecting the sites, Jennifer and I reviewed the soil test data from land application areas and discussed organization of the annual report. I look forward to receiving the annual report for 1999 when it is completed.

I understand that PTI is in the process of depopulating the facilities, preparatory to a change in ownership of the animals. As long as PTI owns the facilities and the real estate, PTI will be accountable to the Wyoming Department of Environmental Quality for the operation of the waste collection and treatment facilities and the land application of the animal wastes under the provisions of the applicable permits. I would also caution that the water pumping necessary to maintain the cone of depression that is part of your plan to protect groundwater must continue uninterrupted during those periods when there are no animals in the facilities.

Site No. 1, the farrowing site appeared to be well kept and maintained. The lagoons seemed to be operating properly.

Site No. 2 was acceptable, but several items merit attention. Dead animals were being buried on site. Due to changes in DEQ/Solid and Hazardous Waste Division Regulations, changes in this practice may be required. Please contact Bob Doctor at 473-3468 or Joel Frost at 777-7246 for further information on proper disposal of dead animals. There is an island of solids at the inlet to the lagoon from the solids separator discharge. This island has existed almost from the beginning of operations at this site. This solids island should be monitored carefully. If it starts to significantly increase in size or create odor problems, corrective measures should be proposed. In construction is necessary, a construction permit from the Water Quality Division will be required.

Sincerely,

Louis B. Harmon PE
WQ SE District Engineering Supervisor

LBH:ll#00464

Enclosures, Site 1 photos, Site 2 photos

PERMIT TO CONSTRUCT
CONDITIONED

- New
 Renewal
 Modified

Permit No. 90-426

U. S. West Communication Tower Junction Facility Monitor Wells
(Name of Facility)

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

U. S. West Communications

P. O. Box 1716

Helena, MT 59601

to construct monitor wells according to the procedures and conditions of the application No. 90-426. The facility is located in Yellowstone National Park 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.

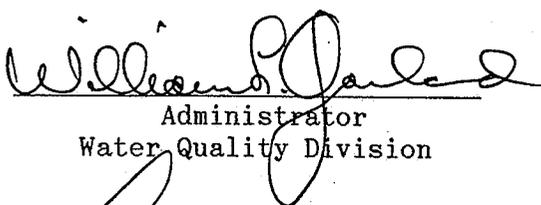
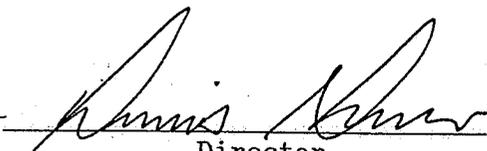
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

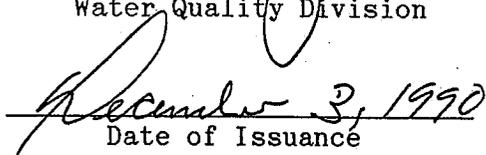
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


Date of Issuance

This permit does not 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 90-426. 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. 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.
3. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.

Permit to Construct

U.S. West Communication Tower Junction Facility Monitor Wells

90-426

Page 3

4. 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.
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 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;
 - c. 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;
 - d. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - e. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
6. 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.
7. 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 site map showing physical features, well locations and elevations;
 - b. Final location, construction details and logs of all monitoring wells;
 - c. Geohydrolic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
 - d. Water level and product thickness measurements;

- e. Sample collection procedures;
 - f. Sampling analytical results;
 - g. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - h. A potentiometric surface map showing the direction of groundwater movement; and
 - i. Interpretation of data and conclusions including recommended remedial measures.
8. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
9. 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.

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

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

(X) New

Permit Number:

() Modified

90-427
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),

Town of Frannie
P.O. Box 72
Frannie, Wyoming 82423
(307) 664-2323

is authorized to operate

a short term acidizing project to rehabilitate the Frannie Municipal water supply well located in T59N, R97W, Section 31.

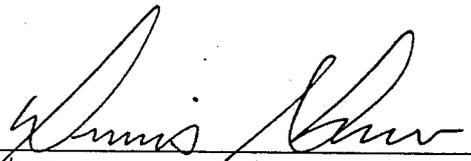
according to procedures and conditions of the application 90-427 and requirements and other conditions of this permit.

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

November 26, 1990
Date



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

November 26, 1990
Date

A. Discharge (Injection) Zone and Area of Review

The injection zone is limited to the Madison Formation aquifer in the Fannie Municipal 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 may be disposed of in the Town of Frannie sewage lagoons, located near this well. Disposal into these lagoons shall be done in such a way that the normal treatment process in the lagoons is not interfered with and all NPDES permit requirements are complied with.

The spent acid solution 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.

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 261.31.

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.

/nc

PERMIT TO CONSTRUCT

New

Permit No. 90-428

Renewal

Modified

Wastewater Disposal System for Greybull Rest Area
(Name of Facility)

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

Wyoming Highway Department

P. O. Box 461

Basin, WY 82410

to construct a septic tank, pump station and 7500 feet of pressure sewer to Greybull municipal system facility according to the procedures and conditions of the application No. 90-428. The facility is located in Sec 9 Lot 9, T52N, R93W in the County of Big Horn, 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.

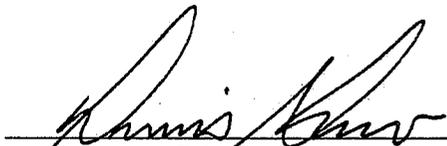
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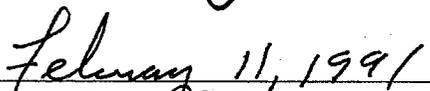
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

JH/jyi

PERMIT TO CONSTRUCT

PERMIT NO. 90-429
SEE SPECIAL CONDITIONS

- New
- Renewal
- Modified

ENCAMPMENT WATER DISTRIBUTION SYSTEM

This permit hereby authorizes the applicant:

Town of Encampment
P O Box 5
Encampment, WY 82325

to construct, install or modify Distribution System according to the procedures and conditions of the application number 90-429. The facility is located in Sections 1,2,11,12 Township 14N Range 84W 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.

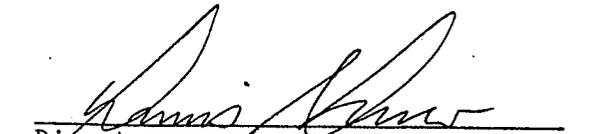
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

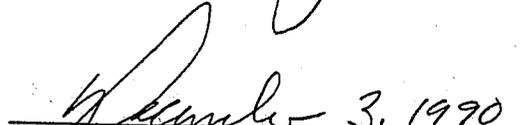
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The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Department of Environmental Quality


Date of Issuance 3, 1990

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-429

1. The PVC Water Pipe proposed for this construction must comply with the AWWA C900 standard.
2. If hydrants are located in areas where the depth to the seasonally high groundwater table is less than 6', weep holes will not be permitted. The depth to groundwater must be confirmed prior to construction. If groundwater depths are within 6' of the surface, provisions must be made to seal off the weep hole and pump the hydrant to prevent freezing.

SCF/jn

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-430

SOUTHLAND GOVT. #2 DUST CONTROL
(Name of Facility)

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

FRED L. OEDEKOVEN (Agent)
481 RECLUSE ROAD
RECLUSE, WY 82725

to construct, install or modify land application of produced water for dust control according to the procedures and conditions of Application No. 90-430.

The facility is located in Section 11, T56N, R74W, in the County of Campbell in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

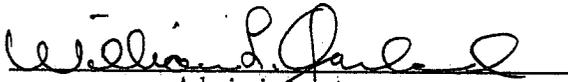
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

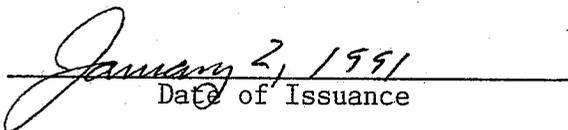
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

CONDITIONS FOR PERMIT NO. 90-430

1. Waste reserve drilling fluids shall be applied at a rate which will not produce runoff or ponding.
2. The application site slope shall not exceed eight (8) percent for vehicular application.
3. Waste reserve pit drilling fluids shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals and reservoirs.

CONDITIONS (Continued)

4. During the period of December 1, 1990 to April 30, 1991, waste reserve pit drilling fluids will only be applied during times of favorable weather conditions and when the roadbed is not frozen (to allow the fluids to be incorporated into the roadbed and to prevent runoff).

5. The permittee shall contact the Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, 307/672-6457, prior to initiation of work. The District Engineer shall be notified 48 hours in advance of discharges and must be informed of how much waste fluids will be applied (number of barrels), the specific site of application (to the nearest 1/4 section) and the time of application.

GPB:pr

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-431
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

BAR X RANCH 2ND FILING PUMP STATION, DISTRIBUTION AND COLLECTION SYSTEMS

This permit hereby authorizes the applicant:

Board of Public Utilities
2100 Pioneer
Cheyenne, WY 82001

to construct, install or modify a distribution and collection system according to the procedures and conditions of the application number 90-431. The facility is located in NE and SE Section 13 Township 14N Range 67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

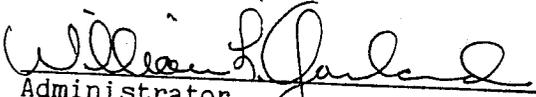
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

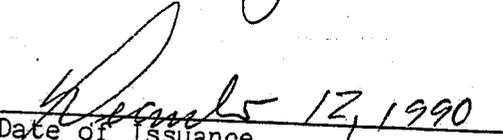
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Department of Environmental Quality


Date of Issuance 12, 1990

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

SCF/mad



THE STATE

OF WYOMING



Department of Environmental Quality

Air Quality Division
2161 Coffeen, Suite 501
Sheridan, Wyoming 82801
(307) 672-6457

Water Quality Division
2161 Coffeen, Annex
Sheridan, Wyoming 82801
(307) 672-6457

December 6, 1990

Mr. Jim Frederick
ENCOAL Corporation
PO Box 2906
Houston, TX 77252

RE: Water Quality Division Permit No. 90-432
Buckskin Mine Groundwater File
Campbell County, Wyoming

Dear Mr Frederick:

Enclosed is the requested Permit to Construct monitoring wells and test holes at the facility described as the ENCOAL Mild Gasification Demonstration Plant. Please note all conditions to this permit must be adhered to fully. In addition to the permit, a copy of Wyoming Water Quality Rules and Regulations Chapters III, and VIII have been enclosed for your reference.

If you have any questions or comments, please do not hesitate to contact me at:

Wyoming DEQ/WQD
2161 Coffeen Avenue, Annex
Sheridan, Wyoming 82801
(307) 672-6457

Sincerely,

Edith L. Johnson-LaMeres
Groundwater Engineering Evaluator

EJL:pr

cc: LQD, Sheridan
Jeremiah B. Bowser; Chen-Northern, Inc.; PO Box 4699;
Helena, MT 59604

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-432
SEE CONDITIONS

ENCOAL GASIFICATION DEMONSTRATION PLANT MW
(Name of Facility)

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

ENCOAL CORPORATION
P.O. Box 2906
Houston, TX 77252

to construct, install or modify monitoring well, piezometer, and test hole network according to the procedures and conditions of the application No. 90-432. The facility is located in Section 33, T.51N., R.72W., in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

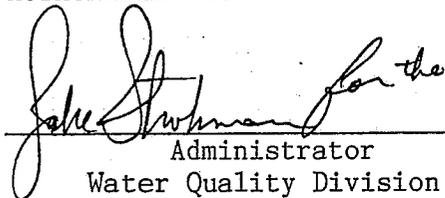
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

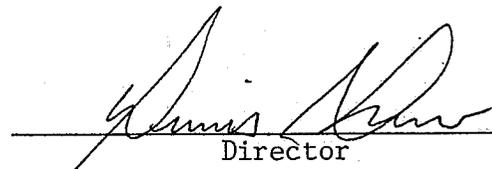
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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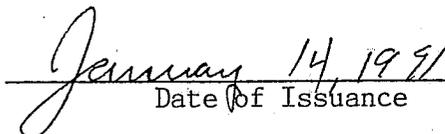
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

CONDITIONS FOR MONITORING WELLS

1. The groundwater monitoring wells and test holes shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-432. Additional wells and test holes meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells and testholes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and regulations. Within 15 days after a monitoring well has been plugged and abandoned, the owner shall file a plugging record with the WQD.

Conditions for Monitoring Wells
Page Three

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. Depending on the results of the subsurface investigation, additional site investigations may be required by the WQD.

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

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

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

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

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

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

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

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

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

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

j. All monitor wells shall be designed so that they contain a minimum of 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 test holes 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 on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:

- a. A chronology of events leading up to the investigation;
- b. A site map showing physical features, well locations and elevations;
- c. Final location, construction details and logs of all monitoring wells;
- d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
- e. Definition and documentation of groundwater quality and quantity;
- f. Water level measurements;
- g. Sample Collection procedures;
- h. Documentation to demonstrate the groundwater standards contained in Wyoming Water Quality Rules and Regulations, Chapter VIII are adhered to. This documentation shall contain information as listed and requested in Wyoming Water Quality Rules and Regulations, Chapter III, Section 15 (b), (c), (d), (e), and (f).

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

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

Wyoming Water Quality Rules and Regulations, Chapter VIII, Table I parameters, TPH and any other parameters characteristic of facility effluents and potential sources of contamination.

The results of these analyses shall be submitted to the Sheridan DEQ/WQD office by the last day of the month following the end of each quarter. The first set of results are due by the last day of May, 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. Pending receipt and review of two consecutive quarterly sample results, the WQD may modify the sampling frequency and/or parameters as required in Condition 10 of this permit.

RECEIVED

DEC 28 1990

WATER QUALITY DIVISION
WYOMING



MEMORANDUM

TO: Edith Johnson-LaMeres

FROM: Kevin Frederick *KF*

DATE: December 17, 1990

SUBJECT: Permit Review: ENCOAL Corp., Monitor wells and test holes for a sludge disposal pond.

I have reviewed the permit and related Conditions that you have recommended for the above facility. I agree that unless ENCOAL can meet the requirements of Chapter III, Section 15(a)(ii) by providing full documentation of sludge constituents entering the disposal pond, the sub-surface investigation is necessary. Please coordinate with me when reviewing the subsurface information for adequacy. Nice work. Thank you.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-432
SEE CONDITIONS

ENCOAL GASIFICATION DEMONSTRATION PLANT MW
(Name of Facility)

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

ENCOAL CORPORATION
P.O. Box 2906
Houston, TX 77252

to construct, install or modify monitoring well, piezometer, and test hole network according to the procedures and conditions of the application No. 90-432. The facility is located in Section 33, T.51N., R.72W., in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

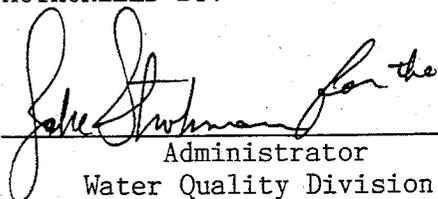
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

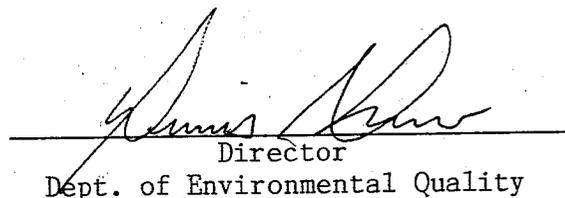
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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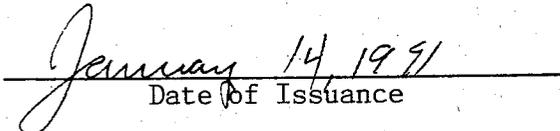
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

CONDITIONS FOR MONITORING WELLS

1. The groundwater monitoring wells and test holes shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-432. Additional wells and test holes meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells and testholes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and regulations. Within 15 days after a monitoring well has been plugged and abandoned, the owner shall file a plugging record with the WQD.

Conditions for Monitoring Wells

Page Three

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. Depending on the results of the subsurface investigation, additional site investigations may be required by the WQD.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed.
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - g. A protective casing and locking cap is strongly recommended;
 - h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected.
 - i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - j. All monitor wells shall be designed so that they contain a minimum of 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 test holes and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.

Conditions for Monitoring Wells (Continued)

Page Four

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

- a. A chronology of events leading up to the investigation;
- b. A site map showing physical features, well locations and elevations;
- c. Final location, construction details and logs of all monitoring wells;
- d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
- e. Definition and documentation of groundwater quality and quantity;
- f. Water level measurements;
- g. Sample Collection procedures;
- h. Documentation to demonstrate the groundwater standards contained in Wyoming Water Quality Rules and Regulations, Chapter VIII are adhered to. This documentation shall contain information as listed and requested in Wyoming Water Quality Rules and Regulations, Chapter III, Section 15 (b), (c), (d), (e), and (f).

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

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

Wyoming Water Quality Rules and Regulations, Chapter VIII, Table I parameters, TPH and any other parameters characteristic of facility effluents and potential sources of contamination.

The results of these analyses shall be submitted to the Sheridan DEQ/WQD office by the last day of the month following the end of each quarter. The first set of results are due by the last day of May, 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. Pending receipt and review of two consecutive quarterly sample results, the WQD may modify the sampling frequency and/or parameters as required in Condition 10 of this permit.

PERMIT TO CONSTRUCT

PERMIT NO. 90-433

X New
Renewal
Modified

SARATOGA MAIN STREET WATER LINE REPLACEMENT

This permit hereby authorizes the applicant:

Town of Saratoga
P.O. Box 913
Saratoga, WY 82331-0913

to construct, install or modify water line replacement according to the procedures and conditions of the application number 90-433. The facility is located in SW1/4, Section 11, T17N, R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

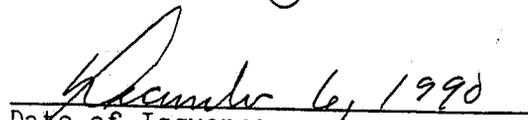
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

LBH/mad

PERMIT TO CONSTRUCT

New

PERMIT NO. 90-434

Renewal

Modified

G-1 HANGAR FIRE PROTECTION WATERLINE
(Name of Facility)

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

SHERIDAN COUNTY AIRPORT
AIRPORT TERMINAL BUILDING
SHERIDAN, WY 82801

to construct, install or modify a complete loop from existing 8" main to existing 20" main and provide new 10" water main to serve new hydrant located southeast of G-1 hanger improvements facility according to the procedures and conditions of Application No. 90-434. The facility is located in Section 3, T55N, R84W, in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

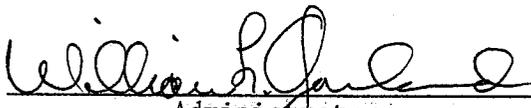
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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted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

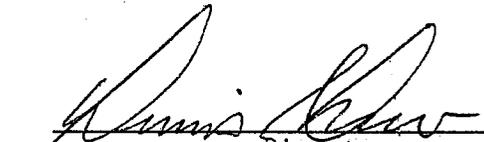
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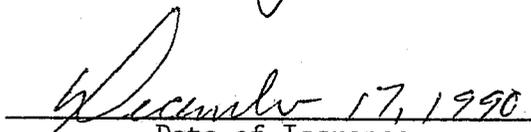
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

GPB:pr

RF.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

CORRECTED COPY
PERMIT NO. 90-435
(Ref. 90-073R)
SEE SPECIAL CONDITIONS

U.S. NAVAL PETROLEUM RESERVE NO. 3 ROAD APPLICATION
(Name of Facility)

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

U. S. Department of Energy
800 Werner Court, Suite 342
Casper, WY 82601

to land apply produced fluids to roads for dust control according to the procedures and conditions of the application No. 90-435. The application site is located in Sections 2-4, 9-11, 14, 15, 22, 23, 26, T.38N., R.78W., and Sections 20-22, 27-29, 32-35, T 39 N., R. 78W., in the County of Natrona, in the State of Wyoming. This permit shall be effective until November 1, 1991.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum application 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 will meet applicable state requirements.

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

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

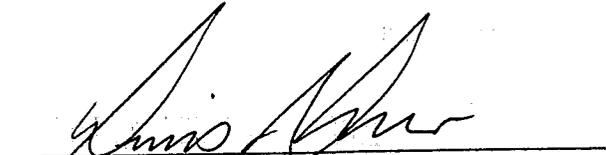
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

June 11, 1991

Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced fluids shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist. Water shall not be applied during the period from November 1 to April 30.
2. The application site slope shall not exceed 8 percent for vehicular application.
3. Produced fluid application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. This permit is in effect for a period of six months from the date of issuance. Any water application after that time period must be re-permitted.
5. NPR may be required to perform soil sampling of the roads at the direction of DEQ/WQD personnel to determine allowable soils loading.
6. The permittee will contact the Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The Sheridan Office should be notified at least 48 hours in advance of discharges 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.

DKM DRM:pr

RF.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

PERMIT NO. 90-435
 (Ref. 90-073R)
SEE SPECIAL CONDITIONS

U.S. NAVAL PETROLEUM RESERVE NO. 3 ROAD APPLICATION
 (Name of Facility)

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

U. S. Department of Energy
800 Werner Court, Suite 342
Casper, WY 82601

to land apply produced fluids to roads for dust control according to the procedures and conditions of the application No. 90-435. The application site is located in Section 2, T.38N., R.78W., in the County of Natrona, in the State of Wyoming. This permit shall be effective until November 1, 1991.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum application 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 will meet applicable state requirements.

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

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

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

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

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Produced fluids shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist. Water shall not be applied during the period from November 1 to April 30.
2. The application site slope shall not exceed 8 percent for vehicular application.
3. Produced fluid application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. This permit is in effect for a period of six months from the date of issuance. Any water application after that time period must be repermited.
5. NPR may be required to perform soil sampling of the roads at the direction of DEQ/WQD personnel to determine allowable soils loading.
6. The permittee will contact the Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The Sheridan Office should be notified at least 48 hours in advance of discharges 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.

DRM: pr

PERMIT TO CONSTRUCT

PERMIT NO. 90-436

X New
Renewal
Modified

McNichols Septic System

This permit hereby authorizes the applicant:

George McNichols
Horshoe Creek Road
Glendo, WY 82213

to construct, install or modify septic tank and drainfield according to the procedures and conditions of the application number 90-436. The facility is located in SE 1/4 Section 27 T29W R69W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

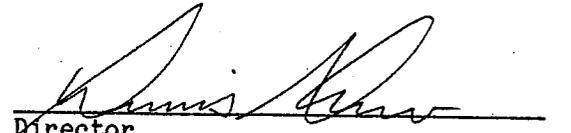
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

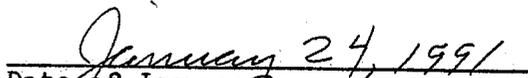
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

LBH\mad

cc: HAVA Loghomes

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wyoming Refinery French Drain Modification

ENGINEER: James T. Fletcher

APPLICANT: Wyoming Refining Company, 740 West Main, Newcastle, WY 82701

WATER QUALITY DIVISION REFERENCE NUMBER: 90-437

REVIEWING ENGINEER: Carol Pfarr 

APPROVING ENGINEER: Jake Strohman 

DATE OF REVIEW: January 23, 1991

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

With respect to permitting WRC's French drain modification, the department again offers the following comments:

1. The Gould pump that is specified in the application is to only be used in water. The fittings and bushings are standard rubber and any phenols and/or caustics may deteriorate the rubber fittings and the pump will not stay tight. Any concentration increases of a hazardous liquid has the potential to decrease the effectiveness of the pump and further increase the problem of fluids reaching the creek. DEQ/WQD realizes that the pump has been in operation in the existing french drain, however, the drain has always been under some speculation of whether the drain and/or the pump are actually effective in stopping the seepage into the creek.
2. The southern portion of the french drain shall not be shut down without specific justification as to the reasons why the french drain, as is, is actually adversely impacting the present recovery system.
3. A detailed report submitted to the DEQ/WQD on the installation of the pump and any additional work on the french drain is required within 2 weeks after the installation and/or repairs.
4. All other aspects of the original review are adequate and will be included in the Permit to Construct including:

Submit the following data for both the northern and southern section of the

french drain for the first six weeks following system start-up and monthly thereafter to determine the operating effectiveness of the french drain system. This information shall be submitted quarterly to the DEQ/WQD office in Cheyenne.

- a. Date of measurement
- b. Time of measurement
- c. Depth of product (feet below measuring point)
- d. Depth to groundwater (Feet below measuring point)
- e. Product thickness (feet)
- f. Product description (Color, clarity, etc.)
- g. Pump rate
- h. Volume of fluids recovered (gallons)
- i. Average recovery rate (gal/day)
- j. Ratio of product to water
- k. Depth to pump intake (feet below measuring point)
- l. System adjustments
- m. Operator initials

/jn



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

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

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

February 6, 1991

Dennis J. McCormick
Wyoming Refining Company
1600 Broadway, Suite 2500
Denver, CO 80202

RE: Permit to Construct 90-437

Dear Mr. McCormick:

Please find enclosed a permit for modification of the pre-existing french drain system. While we are issuing this permit in accordance with your request, please be aware that the litigation that is currently on-going between the State of Wyoming and Wyoming Refining Company is not affected by the issuance of this permit. Those matters which are of concern to the Department of Environmental Quality as part of that litigation continue to be of concern to the Department. The changes authorized as part of the enclosed permit do not address those concerns.

Sincerely,

Carol Wagner Pfarr
Senior Analyst
Water Quality Division

CWP/jt

cc: Val Jackson, WRC, PO Box 820, Newcastle, WY 82701
Steve Jones, Assistant Attorney General

PERMIT TO CONSTRUCT

PERMIT NO. 90-437
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Wyoming Refining Company

This permit hereby authorizes the applicant:

Wyoming Refining Company
Hermes Consolidated, Inc.
740 West Main
Newcastle, WY 82701

to construct, install or modify pre-existing french drain system according to the procedures and conditions of the application number 90-437. The facility is located in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 29, T45N, R65W in the county of Weston, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

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

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

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

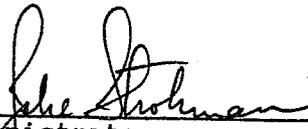
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

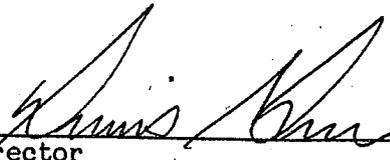
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

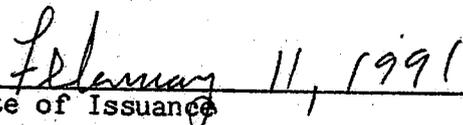
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 90-437

1. Issuance of this permit does not relieve the permittee from further subsurface investigation, complete extent of contamination study, remediation or any and all other corrective or mitigative actions that is or may be required in order to achieve compliance with Department of Environmental Quality rules and regulations or to remediate affected areas at the Wyoming Refining Company refinery site, or any off-site affected areas in Newcastle, Wyoming.

CWP/jt

xc: James T. Fletcher, High Plains of Wyoming, Box 727, Newcastle, WY 82701

PERMIT TO CONSTRUCT

PERMIT NO. 90-438
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Cavalryman Wastewater System No.2

This permit hereby authorizes the applicant:

Cavalryman Inc.
P.O. Box 1088
Laramie, WY 82070

to construct, install or modify septic tank and drainfield according to the procedures and conditions of the application number 90-438. The facility is located in SW 1/4 Section 16 T15N R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

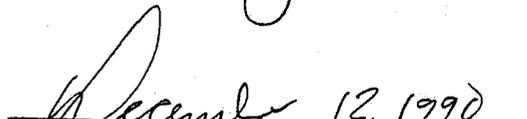
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-438

1. The construction should be observed by the Engineer and a final report submitted to DEQ/WQD.
2. A one page set of operating instructions prepared by the engineer and signed by the owner should be submitted with the final report. The operating instructions should specifically address the frequency of servicing the grease trap and the septic tanks.

LBH/jt

cc: Albany County Planning Dept
Coffey Engineering and Surveying

PERMIT TO CONSTRUCT

* CONDITION *

New

Permit No. 90-439

Renewal

Modified

Sleeping Indian Motel WWTP

(Name of Facility)

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

Thomas J. Sanker

General Delivery

Wilson, WY 83014

to construct an elevated leachfield and septic tank system according to the procedures and conditions of the application No. 90-439. The facility is located in Sec 22, T41N, R117W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

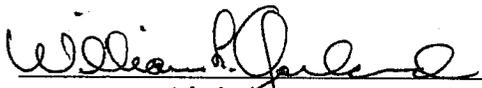
at the above location, for the purpose of compliance with the provisions of this construction permit.

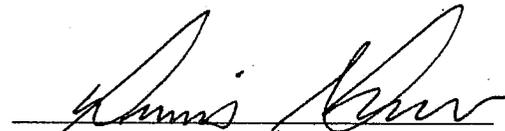
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

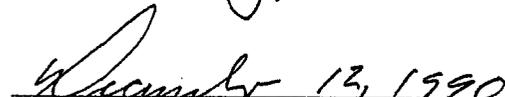
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

SG/jyi

* CONDITION *

1. Prior to installation, notify the County Sanitarian of construction to arrange for inspections he may require.

RF.

PERMIT TO CONSTRUCT

New

PERMIT NO. 90-440

Renewal

Modified

CROOK COUNTY ROAD #12
(Name of Facility)

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

HAROLD BURCH - KISSACK WATER & OIL SERVICE, INC.
P.O. BOX 404
MOORCROFT, WY 82721

to construct, install or modify land application of waste crude oil and sludges according to the procedures and conditions of Application No. 90-440.

The facility is located in Section 26 and 22, T50N, R68W, in the County of Crook in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

December 10, 1990
Date of Issuance

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

CONDITIONS FOR PERMIT # 90-440

1. Waste oil and sludges shall be applied at a rate which will not produce runoff or ponding.
2. The application site slope shall not exceed eight (8) percent for vehicular application.
3. Waste oils and sludges shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals and reservoirs.

CONDITIONS (Continued)

4. Waste oils and sludges applied to a road shall be mechanically incorporated into the roadbed as it is applied.

5. During the period of December 1, 1990 to April 30, 1991, waste oils and sludges will only be applied during times of favorable weather conditions and when the roadbed is not frozen (to allow fluids to be mechanically incorporated into the roadbed and to prevent runoff).

6. The permittee shall contact the Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, 307/672-6457, prior to initiation of work. The District Engineer shall be notified 48 hours in advance of discharges and must be informed of how much waste oils and sludges will be applied (number of barrels), the specific site of application (to the nearest 1/4 section) and the time of application.

GPB:pr

PERMIT TO CONSTRUCT

New

PERMIT NO. 90-441

Renewal

Modified

RANCHESTER WATER TREATMENT PLANT
(Name of Facility)

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

TOWN OF RANCHESTER
P.O. Box 666
Ranchester, Wyoming 82839

to construct, install or modify a water treatment plant facility according to the procedures and conditions of the application No. 90-441. This facility is located in Section 19, T57N, R85W in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of one (1) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

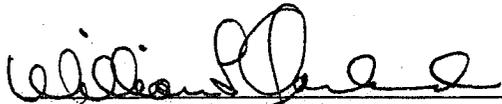
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

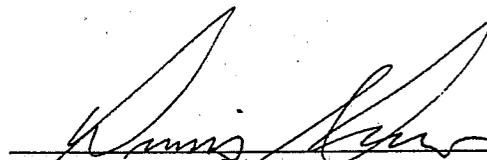
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

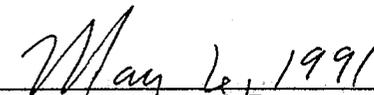
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

GPB:pr

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-442
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

MTBE PLANT DOMESTIC WASTE SYSTEM

This permit hereby authorizes the applicant:

Coastal Chem, Inc.
8305 Otto Road
Cheyenne, WY 82003

to construct, install or modify septic tank and drainfield according to the procedures and conditions of the application number 90-442. The facility is located in 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.

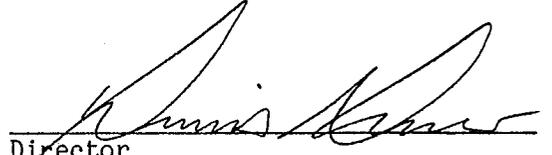
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

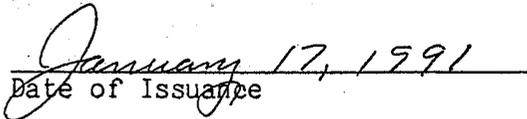
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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


Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-442

1. The plan view for trench construction does not appear to be appropriate for the design shown. If plastic pipe is used the joints shall be tight, if clay tile is used the joints shall be gapped 1/4" and covered with untreated building paper. The minimum c-c spacing of the laterals that will permit replacement without relocating the drainfield is 10 ft.
2. The septic tank plan has several deficiencies. Either a septic tank on the DEQ/WQD pre-approved list shall be used or the following corrections made to the plan shown:
 - a. The headroom above the operating liquid level shall be 20% of the total tank depth to allow for scum accumulation.
 - b. The manway access openings shall have a minimum opening diameter of 20" and 6" minimum diameter cleanouts shall be extended to the surface and capped.
3. Please notify the Laramie County Environmental Health Department at 771-3665 at least 7 days in advance of installation to arrange for inspection.

cc: Laramie County Environmental Health, 1710 Snyder, Cheyenne, WY 82001

LBH/mad

PERMIT TO CONSTRUCT

PERMIT NO. 90-443

X New
Renewal
Modified

WYOMING CARBONICS, INC.

This permit hereby authorizes the applicant:

WYOMING CARBONICS, INC.

P. O. BOX 9386
CASPER, WY 82609

to construct, install or modify a septic system according to the procedures and conditions of the application number 90-443. The facility is located in SW1/4, Section 18, T26N, R89W in the county of Natrona, 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.

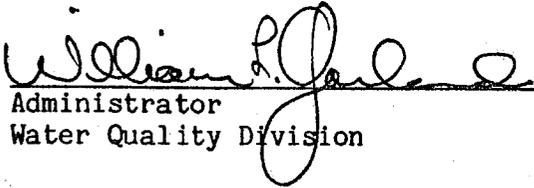
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

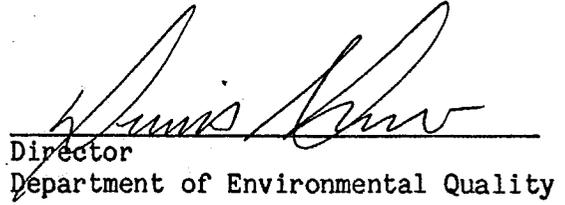
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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.

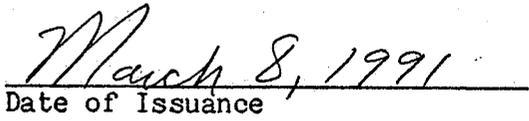
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

MGD/jn

cc: Steven Moldt, Inberg-Miller Engineers, Casper

PERMIT TO CONSTRUCT

PERMIT NO. 90-444
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

HOMCO GILLETTE OFFICE WASTEWATER SYSTEM

This permit hereby authorizes the applicant:

Homco International, Inc.
2309 South Douglas Highway
Gillette, Wyoming 82717

to construct, install or modify a small wastewater disposal system by permanently abandoning the leachfield in place, and routing the sump waste through a pre-treatment system into the POTW of the City of Gillette according to the procedures and conditions of the application number 90-444. The facility is located in Section 34 NE1/4NE1/4, Township 50 North, Range 72 West in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

Date of Issuance 12, 1998

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

SPECIAL CONDITIONS FOR PERMIT 90-444

1. The permittee shall obtain all necessary permits from the City of Gillette and notify them prior to connecting this industrial discharge to the publicly owned treatment works (POTW).
2. The Water Quality Division, UIC Program Supervisor in the Cheyenne Office shall be notified a minimum of 2 weeks prior to removing the flow through tanks on this site so that this operation may be witnessed.

RL/jt

xc: Jake Strohman
Sheridan District Office
City of Gillette, WWTF operator

PERMIT TO CONSTRUCT

PERMIT NO. 90-445
See Conditions

X New

HOMCO MESA DRIVE FACILITY

This permit hereby authorizes the applicant:

Homco International, Inc
57 Mesa Drive
Rock Spring, Wyoming 82902

to construct, install or modify a small wastewater disposal system by permanently abandoning the leachfield in place, and routing the sump waste through a pre-treatment system into the POTW of the City of Rock Springs. according to the procedures and conditions of the application number 90-445. The facility is located in Section 9, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Township 19 North, Range 105 West in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 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.

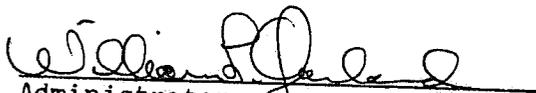
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

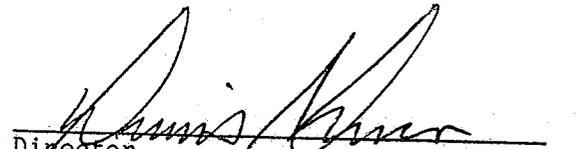
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

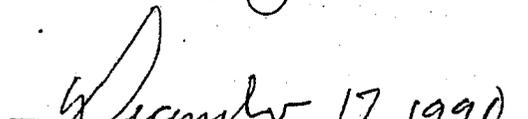
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

Conditions on Permit 90-445

1. The permittee shall obtain all necessary permits from the City of Rock Springs and notify them prior to connecting this industrial discharge to the publicly owned treatment works (POTW).
2. Prior to removing the flow through tanks, Water Quality Division, UIC Program Supervisor in the Cheyenne Office shall be notified so that he may inspect the work. Two weeks notice shall be provided at a minimum, and as much notice as possible is requested.

RL/mad

cc: Jake Strohman
Bill Locke w/copy of application
City of Rock Springs, WWTF operator

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-446
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Oak Valley Subdivision

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
2106 Pioneer
Cheyenne, WY 82001

to construct, install or modify water and sewer line extensions according to the procedures and conditions of the application number 90-446. The facility is located in NE 1/4 Section 19 T14N R66W 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.

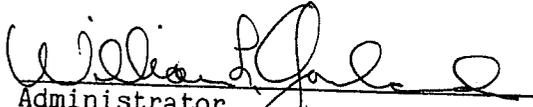
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

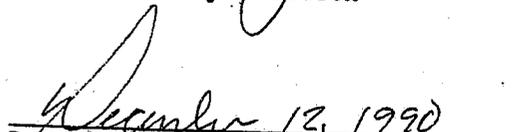
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



December 12, 1990
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-446

A written engineering report to document the review by interview conducted December 10, 1990 must be submitted before construction begins.

LBH\mad

cc: Jack Noblitt & Assoc.

PERMIT TO CONSTRUCT

PERMIT NO. 90-447
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

TEXACO TRUCK STOP

This permit hereby authorizes the applicant:

Total Petroleum Inc. - David Seagraves
999 18th St., Suite 2201
Denver, CO 80201-0500

to construct, install or modify groundwater monitoring wells according to the procedures and conditions of the application number 90-447. The facility is located in S 29, NWSW1/4, T16N, R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of six months (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.

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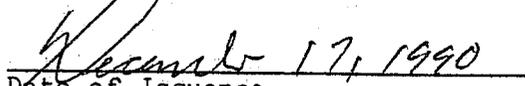
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #90-447

1. 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 DEQ/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 DEQ/WQD. All wells must have a unique number.
3. Within 60 days of issuance of this permit, a report on the subsurface investigation must be submitted to 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 using m.s.l.;
 - c. A potentiometric 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;

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-448R

X New
Renewal
Modified

MARTIN LUTHER KING PARK RESTROOM

This permit hereby authorizes the applicant:

CITY OF CHEYENNE, PARKS & RECREATION DEPARTMENT
610 W. 7TH STREET
CHEYENNE, WY 82007

to construct, install or modify a composting toilet according to the procedures and conditions of the application number 90-448R. The facility is located in NW1/4, Section 6, T13N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

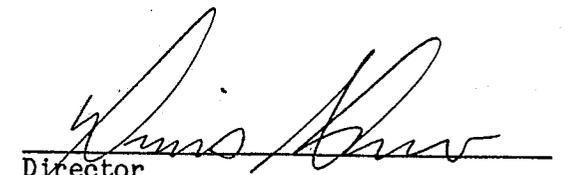
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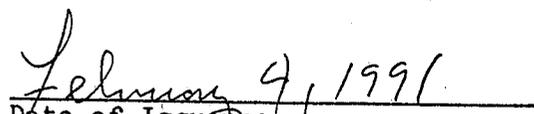
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

MGD/jn



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

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

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

January 7, 1991

Mr. Jerry Logemann
Assistant Director
Parks & Recreation Department
City of Cheyenne
610 West 7th Street
Cheyenne, WY 82007

RE: Martin Luther King Park Restroom application for permit to construct,
90-448

Dear Mr. Logemann:

Enclosed is the application review for the above-referenced facility which details several design concerns. A more general concern is that it does not seem to be in line with the City's sewer use ordinance which requires hook-up to the centralized collection system unless no collection line is located within 200 feet. Also, has a deviation from the wastewater management service area plan as defined in the intergovernmental agreement (IGA) been granted? This IGA is part of the EPA grant requirements and defines the service area boundary in which all domestic wastewater generators are to be served by the centralized wastewater treatment system. I am curious as to why an on-site system is being proposed rather than a conventional restroom connected to the sanitary sewer.

Sincerely,

Maggie Davison
Senior Analyst
Water Quality Division

MGD/jn

Enclosures

Review of Plans and Specifications

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

PROJECT: MARTIN LUTHER KING PARK RESTROOM

APPLICANT: CITY OF CHEYENNE, PARKS & RECREATION DEPARTMENT
610 W. 7TH STREET
CHEYENNE, WY 82007
307-637-6427

ENGINEER: CITY OF CHEYENNE, ENGINEERING DEPARTMENT
2101 O'NEIL AVE
CHEYENNE, WY 82001
307-637-6268

WATER QUALITY DIVISION REFERENCE NUMBER: 90-448

REVIEWING OFFICIAL: Maggie Davison

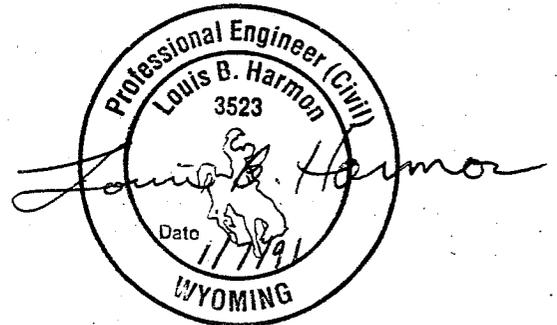
APPROVING ENGINEER: Louis Harmon

DATE OF REVIEW: January 4, 1991

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

1. No indication has been made as to the estimated number of uses per day for the toilets to determine if the unit is adequately sized;
2. It appears from the information submitted that one composting tank will be servicing both the men's and women's stalls. Is this correct?
3. No information is provided to describe how the liquid waste and compost will be disposed.



/jn

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-449R

Hot Springs State Park Waterline Loop
(Name of Facility)

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

Town of Thermopolis

P.O. Box 603

Thermopolis, WY 82443

to construct 1650 feet of water distribution main to loop system according to the procedures and conditions of the application No. 90-449R. The facility is located in SE ¼ Sec. 36, T43N, R95W in the County of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

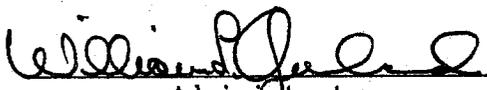
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

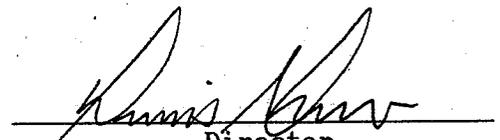
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

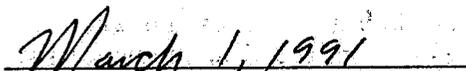
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

JH/anc

PERMIT TO CONSTRUCT

New

PERMIT NO. 90-450

Renewal

Modified

MOORCROFT SHOP EVAPORATION POND
(Name of Facility)

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

WYOMING STATE HIGHWAY DEPARTMENT
P.O. Box 668
Sheridan, Wyoming 82801

to construct, install or modify a evaporative/containment pond according to the procedures and conditions of the application No. 90-450. This facility is located in Section 36, T50N, R68W NE1/4 in the County of Crook 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.

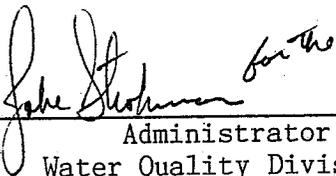
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

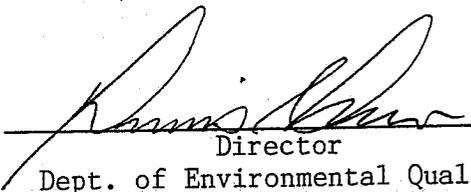
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

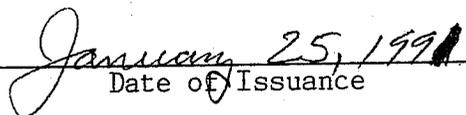
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

Conditions for Permit Application # 90-450

- 1) The slope of the bottom of the lagoon through the diagonal (from the SW corner to the NE corner) to the sump shall be a minimum of 1%.

GPB:pr

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-451

KEYHOLE REVERSE OSMOSIS SYSTEM - WASTEWATER EVAPORATION POND
(Name of Facility)

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

Wyoming State Parks and Historic Sites
2301 Central Avenue, Barrett Building
Cheyenne, Wyoming 82002

to construct, install or modify an evaporation pond facility according to the procedures and conditions of the application No. 90-451. The facility is located in Section 33, T51N, R66W, in the County of Crook in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

Date of Issuance

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

SCF:pr

