

PERMIT TO CONSTRUCT

New

Permit No. 91-251R

Renewal

Modified

Hidden Creek Townhomes Water & Sewer
(Name of Facility)

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

Teton Shadows, Inc.

P. O. Box 3393

Jackson, WY 83001

to install a water distribution line and sewer collection line for nine residences facility according to the procedures and conditions of the application No. 91-251R. The facility is located in Sec 32, T41N, R116W and Sec 5, 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.

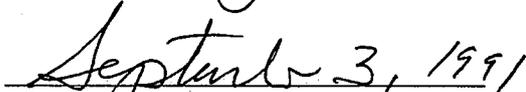
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Water Quality Division


Director
Dept. of Environmental Quality


Date of Issuance

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

SG/jyi

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 91-252

WEST BIG GOOSE WATER DISTRIBUTION SYSTEM
(Name of Facility)

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

Sheridan Area Water Supply - Joint Powers Board
224 South Main Street, #B-1W
Sheridan, Wyoming 82801

to construct, install or modify a water distribution facility according to the procedures and conditions of the application No. 91-252. The facility is located in Township 55 North, Range 86 West, in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

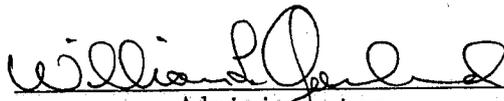
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

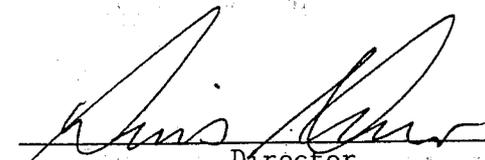
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

August 8, 1991

Date of Issuance

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

SCF:pr

CONDITION TO PERMIT TO CONSTRUCT NO. 91-252

1. A variance is hereby granted from the requirements of Chapter XII, Section 14(c) for minimum valve spacing in residential areas. Because the system is located in a rural location, the number of users per length of waterline is very low. This division agrees that placing valves every 800' as required by Water Quality Division Rules and Regulations (WQDRR) in this type of location would significantly increase the cost of the project while the benefit from such action would be low. However, if the number of users on the system increases to a level which warrants additional valving, this division reserves the authority to require the system to be modified.

2. A variance is hereby granted from the requirements of Chapter XII, Section 14(h)(ii)B for installation of a manhole on the supply side of a stream crossing. This division agrees that a manhole in this application will not increase the probability of gaining access to the valve during a flood event. Your request to install a valve box in lieu of a manhole at the supply side of the line is approved.

PERMIT TO CONSTRUCT

New

Permit No. 91-253

Renewal

Modified

Cody - Valley View Sub. No. 2 Water Distribution
(Name of Facility)

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

City of Cody

1338 Rumsey Ave.

Cody, WY 82414

to install a six inch water main along Stolt, Walker, Carey and Valley Avenues according to the procedures and conditions of the application No. 91-253. The facility is located in Tract 77, T52N, 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 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.

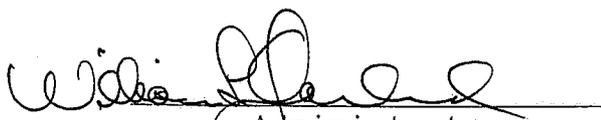
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

PERMIT TO CONSTRUCT

New

Permit No. 91-254R

Renewal

Modified

Evanston West Main Street Water Line Replacement
(Name of Facility)

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

City of Evanston

1200 Main Street

Evanston, WY 82930

to modify a water distribution system according to the procedures and conditions of the application No. 91-254R. The facility is located in SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec 17, T15N, R120W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

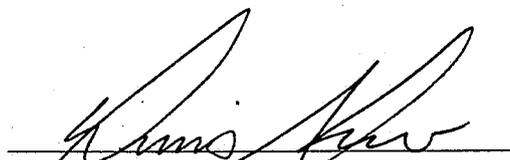
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

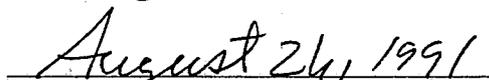
AUTHORIZED BY:



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/jyi

PERMIT TO CONSTRUCT

PERMIT NO. 91-255
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

RIVERSIDE WATER WELLS

This permit hereby authorizes the applicant:

TOWN OF RIVERSIDE AND THE WYOMING WATER DEVELOPMENT COMMISSION
207 WEST WELTON
RIVERSIDE, WYOMING 82325

to construct, install or modify water wells according to the procedures and conditions of the application number 91-255. The facility is located in NW 1/4 Section 4 T14N R83W and NE 1/4 Section 1 T14N R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of three 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.

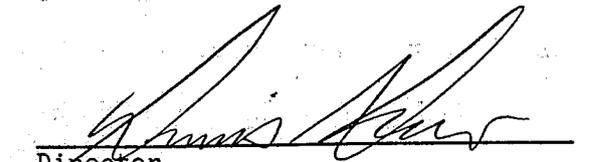
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

September 24, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-255

1. The variances as requested are hereby granted. Pressure grouting of a surface casing from the bottom up with a minimum well bore diameter is acceptable. The engineer's recommendations for completion of the well are accepted without comment.
2. As per DEQ/WQD Chapter XI, Section 9(b)(iii)(C)(V), the well casings shall terminate at least 18 inches above ground level or 3 feet above the highest known flood level. The casings shall have a locking cover installed until the well is placed in operation.
3. This permit is only for construction of water wells. It does not include the installation of a permanent pump, associated pipelines, or pump house. Additional facilities as required to put the well into production will require a separate permit.

LBH/nc

cc: Town of Riverside
Wyoming Water Development Commission

PERMIT TO CONSTRUCT

New

PERMIT NO. 91-256

Renewal

Modified

EAST BIG GOOSE WATER DISTRIBUTION SYSTEM
(Name of Facility)

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

Sheridan Area Water Supply - Joint Powers Board
224 South Main Street, #B-1W
Sheridan, Wyoming 82801

to construct, install or modify a water distribution facility according to the procedures and conditions of the application No. 91-256. The facility is located in Township 55 North and Township 56 North, Range 85 West, in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

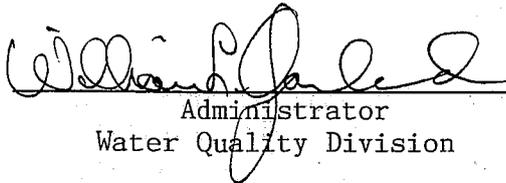
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

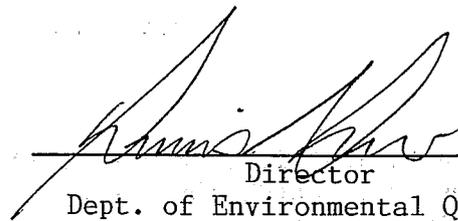
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

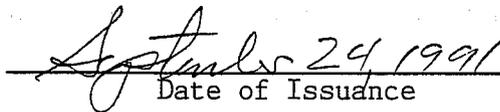
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

JKM
SCF:pr

CONDITION TO PERMIT TO CONSTRUCT NO. 91-256

1. A variance is hereby granted from the requirements of Chapter XII, Section 14(c) for minimum valve spacing in residential areas. Because the system is located in a rural location, the number of users per length of waterline is very low. This division agrees that placing valves every 800' as required by Water Quality Division Rules and Regulations (WQDRR) in this type of location would significantly increase the cost of the project while the benefit from such action would be low. However, if the number of users on the system increases to a level which warrants additional valving, this division reserves the authority to require the system to be modified.

2. A variance is hereby granted from the requirements of Chapter XII, Section 14(h)(ii)B for installation of a manhole on the supply side of a stream crossing. This division agrees that a manhole in this application will not increase the probability of gaining access to the valve during a flood event. Your request to install a valve box in lieu of a manhole at the supply side of the line is approved.

PERMIT TO CONSTRUCT

New

Permit No. 91-257R

Renewal

Modified

Wefl SWTF
(Name of Facility)

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

Randy & Marvis Wefl

658 W Sunny Side Lane

Thermopolis, WY 82443

to install a septic tank and elevated leachfield facility according to the procedures and conditions of the application No. 91-257R. The facility is located in Sec 28, T44N, R94W in the County of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two (2) years 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.

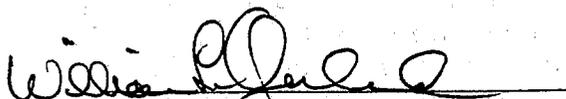
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

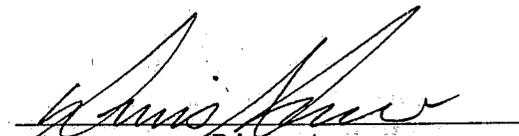
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

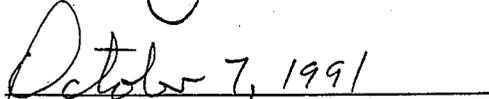
AUTHORIZED BY:



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

1. Top 6 inches of soil must be removed from the ground surface prior to placing gravel for the leachfield.

LAND APPLICATION PERMIT

PERMIT NO.: 91-258R
SEE SPECIAL CONDITIONS

Deaver Sludge Disposal
(Name of Facility)

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

Town of Deaver

P.O. Box 207

Deaver, WY 82421

to land apply about 127 dry tons of Deaver's municipal sludge one time to 31 acres of dry pasture land. The application site is located in NE 1/4 Section 29, T57N, R97W 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 standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

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

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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

2-25-92

Date of Issuance

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

Conditions to Land Application Permit

1. of 4. Sludge shall be applied by a method and at a rate which will not prevent runoff of wastewater anytime or ponding after incorporation into the soil. Application shall not be initiated during the spring runoff period or other period where saturated soil conditions exist.
2. of 4. Sludge application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainage, irrigation canals, lakes and reservoirs.
3. of 4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Steve Gerber, 210 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 sludge will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
4. of 4. Only the lands designated in this permit are authorized for application of the sludge. Additional or alternate sections of land meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the Water Quality Division.

JH/anc

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 91-259
SEE CONDITIONS

COAL CREEK MINE FUEL ISLAND TEST HOLES
(Name of Facility)

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

THUNDER BASIN COAL COMPANY
P.O. Box 406
Wright, Wyoming 82732

to construct, install or modify a test hole network according to the procedures and conditions of the application No. 91-259. The facility is located in Section 17, T.46N., R.70W, in the County of Campbell, 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.

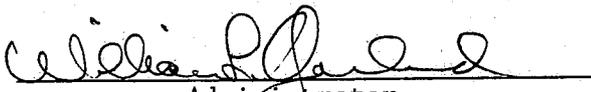
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

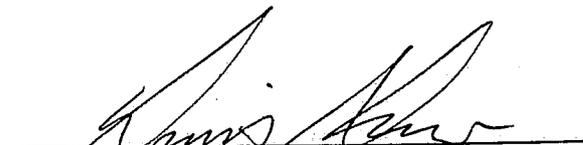
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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,

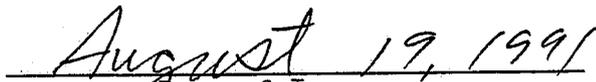
AUTHORIZED BY:



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 MONITORING WELLS

1. The 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 91-259. Additional 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. After the test holes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations.
3. The issuance of this permit does not relieve the permittee from obligations to complete an 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 test holes shall be installed to define the extent of contamination.

4. 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 and logs of all test holes;
- d. Water level and product thickness measurements (if encountered);
- 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 (as applicable);
- h. Interpretation of data and conclusions including recommended remedial measures.

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

6. All test holes associated with this facility shall be sampled and the soils analyzed for the parameters listed below:

TCLP Benzene

All wastewaters encountered shall be sampled and analyzed for:

TCLP Benzene and TPH, Toluene, Ethylbenzene and Xylene by any EPA approved method.

The results of these analyses shall be submitted to the Sheridan DEQ/WQD office by November 15, 1991.

7. All inventory records for the period in question prior to the report of a spill shall be submitted to the DEQ/WQD within 15 days of receipt of this permit. Reconciled inventory records with the volume of the spill specified shall be submitted to the DEQ/WQD within 45 days of receipt of this permit.

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

Conditions for Monitoring Wells
Page Four

9. All decontamination wastewater must be containerized for proper disposal. Sampling and analysis may be required.

10. Soils disposal/treatment must be approved by the Sheridan DEQ/LQD office (Jon Sweet 672-6488).

EJL/pr

cc: Kevin Frederick, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

[X] New

Permit No. 91-260R

[] Renewal

[] Modified

Antelope Run Airport UST Monitoring Wells
(Name of Facility)

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

Petroleum Equipment Co.

1174 S. 300 W.

Salt Lake City, UT

to construct two UST system groundwater monitoring wells facility according to the procedures and conditions of the application No. 91-260R. The facility is located in NW 1/4, Section 24, T33N, R113W in the County of Sublette, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

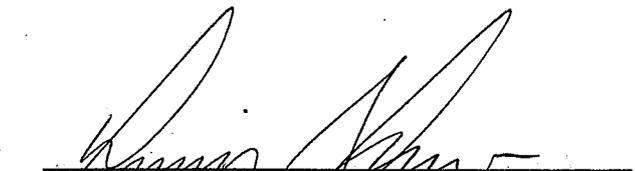
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

Oct 30, 1991

Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 91-261

Renewal

Modified

LaBarge Disposal Pit
(Name of Facility)

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

FMC Wyoming Corp.

P. O. Box 872

Green River, WY 82935

to construct a series of soil borings according to the procedures and conditions of the application No. 91-261. The facility is located in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 21, T26N, R113W 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.

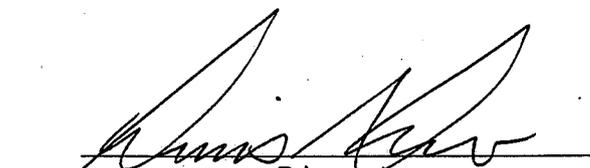
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

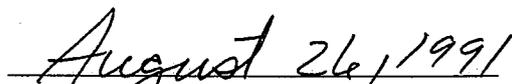
AUTHORIZED BY:



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.

DG/jyi

PERMIT TO CONSTRUCT

New

Permit No. 91-262

Renewal

Modified

Assessment District No. 147

(Name of Facility)

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

City of Casper Public Utilities

200 North David

Casper, WY 82601

to install a new 8" diameter waterline and 8" diameter sewer line in conjunction with a street improvements project facility according to the procedures and conditions of the application No. 91-267. The facility is located in SW $\frac{1}{4}$, Sec. 1, and NW $\frac{1}{4}$, Sec. 12, T33N, R79W in the County of Natrona, 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.

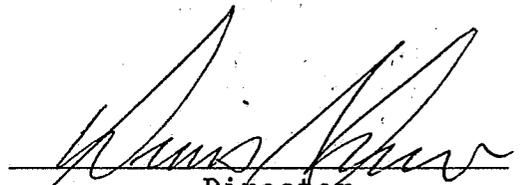
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

11-12-91
Date of Issuance

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

BL/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

August 22, 1991

Val Jackson
Wyoming Refining Company
P. O. Box 820
Newcastle, Wyoming 82701

RE: Permit to Construct Application Number 91-263 (Ref. 88-258)

Dear Mr. Jackson:

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#91-263) for a permit to construct a piezometer for Wyoming Refining Company at Section 29, T45N, R61W. The Water Quality Division has determined that the system meets the minimum design standards.

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

Since your system has already been constructed, a permit to construct cannot be issued. This letter is your record that the piezometer-12 as installed meets minimum state specifications and has been authorized after installation by the Wyoming Department of Environmental Quality, Water Quality Division.

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

"As-built" authorization 91-263 shall have the same conditions applied to it as contained in your previous permit 88-258 (network of ten piezometers). Under no circumstances shall the use of the piezometer be for any purpose except that specifically stated in 88-258.

Sincerely,



William L. Garland
Administrator
Water Quality Division

WLG/CP/jn

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

() New
(X) Modified

Permit Number:
91-264
UIC CLASS 1-I

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

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

is authorized to operate

the Kissack Water Disposal Well 31-25 injection well located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 25, Township 51 North, Range 70 West in Campbell County, Wyoming

according to procedures and conditions of the applications numbered 91-264, 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

10-4-91
Date



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

10-7-91
Date

A. Discharge (Injection) Zone and Area of Review

Discharge Zone

This injection well is authorized to inject into the Minnelusa Formation which is found in the well bore at the Kissack Water Disposal Well 31-25 from 8,056 to 8,272 feet below the ground surface. Kissack Water and Oil Service may add additional perforations within the above named interval of the authorized Formation with the prior approval of the Water Quality Division.

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

Area of Review

The wells authorized by this permit is located in:

Township 51 North, Range 70 West, 6th Principal Meridian

Section 24: S $\frac{1}{2}$

Section 25: NW $\frac{1}{4}$, S $\frac{1}{2}$

The Area of Review around these wells is legally described as:

Township 51 North, Range 70 West, 6th Principal Meridian

Section 25: NW $\frac{1}{4}$ NE $\frac{1}{4}$

The above area of review is based on the following assumptions:

Time of Operation: 10.43 years (total of 3,806 days)

Porosity: 14.6%

Maximum Injection Rate: 72 gpm (105,000 gpd or 2,500 bpd)

Thickness of Receiver: 70 feet

The above assumptions lead to a radius of fillup of 1,200 feet assuming that injectate moves radially outward from the point of injection. The distance to the nearest lease boundary from the point of injection is 1,200 feet. The time of operation of 10.43 years is based on the time necessary to fill up the available void on the single lease. Operation will probably continue beyond this time with fillup occurring on adjacent leases.

Besides the injection well covered by this permit, there are 4 plugged and abandoned oil wells within the area of review.

B. Groundwater Classification

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

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

2. This formation contains waters which contain in excess of 170,000 mg/l of Total Dissolved Solids.
3. This formation has produced hydrocarbons in the past. The water in this formation may be assumed to contain high levels of dissolved hydrocarbons.

C. Authorized Operations

The permittee is authorized to inject into the Minnelusa Formation through perforations at 8,056 to 8,126 and 8,156 to 8,272 feet below the surface in the Kissack Water Disposal Well 31-25. Wastes to be injected include: oil field produced waters (SIC 13) and other industrial wastes. Existing sources of produced water have been identified in the application. New sources shall be identified prior to injection. Sources previously approved for disposal in the Horse Creek Federal 1-8 and Kissack Water Disposal Well #1 are hereby approved for disposal into this system, until the expiration dates of those individual approvals.

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

1. Hazardous waste as identified by the EPA under 40 CFR 261.3 are not allowed under any circumstances.
2. Prior to injection of any other industrial waste, the permittee shall submit, in writing, a complete chemical analyses for the waste to be injected. This submittal shall include the volume to be injected and the duration of the injection. At a minimum, all wastes to be injected under this paragraph shall be analyzed for all hazardous waste characteristic analyses in use at the time of injection. As of the issue date of this permit the analyses required include EP corrosivity, EP Toxicity using the Toxicity Characteristic Leaching Procedure (TCLP), EP Ignitability, and EP Reactivity. The Water Quality Division may waive individual tests based on the source and nature of the waste to be disposed of. Injection shall not commence until such time as an approval is issued by the Water Quality Division for that injection. The Water Quality Division may issue approvals under this permit for injection of industrial waste from a single source for up to one year from the date of the analysis.

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

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

The composit injection stream may also contain a small amount of Tretolite SP-200 scale inhibitor. Tretolite SP-100 deposit control additive has been shown to not meet the definition of hazardous waste under RCRA.

The composit injection stream may also contain a small amount of Tretolite NC-370 Biocide added to control bacterial growth in the injection system. Tretolite NP-370 biocide additive has been shown to not meet the definition of hazardous waste under RCRA.

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

The permittee is authorized to inject at a pressure of no more than 2,700 psig as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded on a chart recorder.

Within the first six months of operation, the permittee shall conduct a step injection test to determine the actual fracture pressure of the formation. After this test is conducted, the permittee shall not exceed a pressure of 200 psig less than the actual fracture pressure as measured by the step rate test. The permittee may conduct additional step injection tests at a later time to determine changes in the fracture pressure as the injection continues. After acceptance by the Administrator of these tests, the permittee shall limit the injection pressure to 200 psig less than the new fracture pressure as measured on the surface.

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

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

Hazardous Waste

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

D. Proper Operation and Maintenance

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

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances)

which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

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

E. Entry and Inspection

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

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

F. Environmental Monitoring Program for Groundwaters of the State

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

- d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

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

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

G. Requirements for Monitoring the Discharge

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

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

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

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

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

<u>SAMPLING SCHEDULE</u>	<u>ANALYTICAL METHOD*</u>	<u>PARAMETER ANALYZED</u>	<u>PERMIT LIMIT (UCL)</u>
Annually	EPA 272.2	Silver	5.0
Annually	EPA 239.2	Lead	5.0
Annually	EPA 213.1	Cadmium	1.0
Annually	EPA 218.1	Tot. Chromium	5.0
Annually	EPA 160.1	TDS	No Limit
Annually	EPA 150.1	pH	shall be >2.0 & <11.0

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

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

H. Test Procedures

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

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

I. Records and Reports

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

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

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

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

received notice from the administrator of intent to inspect or otherwise review the facility within 13 days of the notice of a. above, in which case prior inspection or review is waived, and

- c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the administrator.
11. The quarterly report of operations for this well shall include the following information:
- a. The minimum, average and maximum daily injection rate for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.
 - b. The minimum, average, and maximum daily injection pressure for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
 - c. The total injection volume in barrels for each month of the quarter, the total for the quarter, the total cumulative injected to date.
 - d. The maximum and minimum annulus pressure for each month of the quarter.
 - e. Any permit exceedences within the quarter.
 - f. Any tests run during the quarter. This includes but is not limited to the results on any Mechanical Integrity Tests, Pressure Falloff Tests, Step Injection Tests, or any well workovers.
 - g. Quarterly reports are due in the Cheyenne office of the Water Quality Division no later than 30 days after the end of each calendar quarter.
12. The annual report of operations on this wells shall include the fourth quarterly report and the following additional information:
- (1) A graphical representation of the injection pressure and volume for the previous five year's operation. This graph shall have the dates of the year on the abscisa and the pressure and volume as the ordinate.
 - (2) Graphical representations of the quality of the injected water over time. These graphs shall show the injected quality for the previous five year's operation and shall be prepared on appropriate scales to show the variation.
 - (3) Analytical results required by section G of this permit.

13. 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:

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

At least once every five years, and more frequently if required by the Administrator, the permittee shall hold 2,700 psig on the annulus between the long string and the tubing for a minimum of 15 minutes. During this time, the annulus pressure should not drop perceptibly. If a perceptible drop in pressure occurs, the annulus shall be repressured to 2,700 psig and held for 15 minutes. During this second test, no perceptible pressure drop should occur. This part of the test is considered successful if no more than 50 psig of pressure loss occurs.

If there is a perceptible loss in pressure of less than 50 psig, the Water Quality Division may require more frequent tests.

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

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

The Kissack Water Disposal Well 31-25 operated under this permit was logged for a standard Cement Bond Log on March 17, 1988. The Cement Bond Log included a microseismogram as well as the amplitude curve, natural gamma, and casing collar curves. The indicated top of cement on this log was 7,158 feet.

Prior to injecting any fluid into the Kissack Water Disposal Well 31-25, this well shall also be logged for a Radioactive Tracer Survey and Temperature Log as above.

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

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

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

L. Abandonment

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

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

A squeeze cementing operation shall be run with the cement retainer set within 200 feet of the top perforations. This cementing operation shall consist of pumping 100 sacks of 50/50 pozmix cement with 2% allowed gel or class G cement with .4% fluid loss additive. After stringing out of the retainer an additional 400 sacks of class G cement with retarder

added shall be emplaced in the casing as the tubing is withdrawn. The remainder of the hole shall be filled with water. Following this operation, the top 500 feet of the hole shall be filled with cement as above and a standard dry hole marker shall be installed on the surface and welded or bolted to the long string.

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

M. Duties of the Permittee

It is a duty of the permittee to:

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

N. Financial Responsibility

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

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

O. Special Measures the Director Finds Necessary:

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

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.

cc: Paul Osborn, EPA
Jake Strohman

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 91-265

SUNDANCE SEWER LINE IMPROVEMENTS - 1991
(Name of Facility)

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

Town of Sundance
P O Box 542
Sundance, WY 82729

to construct, install or modify a wastewater collection facility according to the procedures and conditions of the application No. 91-265. The facility is located in Township 51 North, Range 63 West, 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.

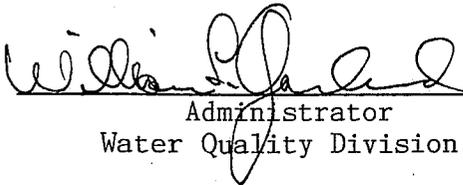
Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way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

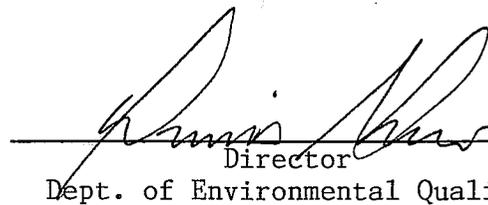
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

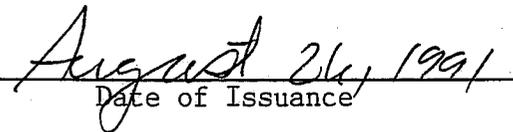
AUTHORIZED BY:



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



MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0789	AIR QUALITY (307) 777-7381 FAX 777-5816	INDUSTRIAL SITING (307) 777-7388 FAX 777-6937	LAND QUALITY (307) 777-7758 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7782 FAX 777-6973	WATER QUALITY (307) 777-7781 FAX 777-6973
--	---	---	---	--	---	---

January 31, 1994

Mr. Fredrick C. Heyl
P.O. Box 614
Encampment, WY 82325

Dear Mr. Heyl:

Our records indicate an application for a permit to construct was submitted to this office. Our records however show that no action was taken by this office and that additional information has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility Name: Fredrick C. Heyl Wastewater System *Car*
 DEQ/WQD Reference Number: 91-266
 Engineering Consultant: None
 Date Received DEQ/WQD : August 13, 1991

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

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 permitting process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and is 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 information. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Wyoming Water Quality Rules and Regulations must, be followed.

Sincerely,

Gary L. Steele
Southeast District Engineer
Water Quality Division

GLS/nc 40446.LTR
cc: IPS

91-267

MEMORANDUM

RECEIVED
FEB 18 1993
STATE OF WYOMING
DIVISION OF ENVIRONMENT

DATE: February 16, 1993
TO: Patti Burns, DEQ/WQD-IPS, Cheyenne
FROM: Don McKenzie, DEQ/WQD, Sheridan *DM*
RE: Outstanding NE District Permit 91-267

I found a letter written by Scott which should have been copied to you in 1991. The correspondence indicates the as-built permit application package was returned to the applicant as it was not necessary. I have enclosed both the letter and a file summary for your information. Please close-out this permit for the district. Thanks!

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

October 15, 1991

Top Choice Meat Processing
Attn: Larry Gray
P.O. Box 413
Buffalo, WY 82834

Re: As Built Permit Application No. 91-267

Dear Mr. Gray:

This division has reviewed the information you submitted to this office on October 10. Given that information and information gathered during previous inspections, it appears that the repairs made on the system in the past were minor and do not meet the Water Quality Division definition of a modification. Because the system was not modified, an as built permit is not required. Therefore your permit application is being returned to you.

This matter stemmed from complaints received by this division regarding the septic system being connected directly to the effluent line from the Buffalo Wastewater Treatment Facility (WWTF). This alleged connection would have to be upstream from the sampling point of the Buffalo WWTF. To this date, results of the discharge sampling give no indication that untreated sewage is being discharged. Based on the above, this division has no reason to pursue this matter any further.

We regret any inconveniences you may have suffered during this matter. However, the Water Quality Division is obligated to follow up on any and all complaints regarding violations of the Environmental Quality Act. Your cooperation in getting this matter resolved is appreciated.

Sincerely,

A handwritten signature in cursive script, appearing to read "Scott Forister".

Scott Forister
Water Quality Engineer

SCF/pr

cc: Johnson County Sanitarian

MEMORANDUM

TO: Complaint File

FROM: Kurt King, Senior Analyst *KK*

SUBJECT: Top Choice Meat Processing, Inc., Buffalo, Johnson County

DATE: October 18, 1991

This memo was prepared in response to a complaint received by Bill Garland from Mr. John Misock of the Department of Agriculture. The complaint involved a discharge from the subject facility. Larry Robinson relayed the complaint to Don McKenzie on October 7, 1991. This complaint was the same as a complaint received by Edith Johnson - LaMeres from Mr. Doug Meacham, Johnson County Sanitarian, on April 29, 1991.

I conducted an inspection of Top Choice Meats on May 10, 1991 and filed a June 11, 1991 inspection memo. I found no evidence of a discharge from Top Choice Meats via an unauthorized connection to the Buffalo W.W.T.F. discharge line leading to Clear Creek. This was based on interviews with Mr. Larry Gray, owner of Top Choice Meats, Mr. John Lopez, Manager of the facility, and Mr. Terry Rubottom, Operator of the Buffalo W.W.T.F. Placement of the alleged connection with respect to the location of the W.W.T.F. discharge line and review of W.W.T.F. NPDES chemical data were included.

However, the septic tank - leach field system was apparently not permitted and I asked Mr. Gray to document system construction before 1973. No return communication was made. On July 22, 1991, Scott Forister sent a letter and Permit to Construct form to Mr. Gray requesting information for "as built" approval. Scott received the completed forms then sent an August 13, 1991 letter to Mr. Gray requesting additional information. Mr. Gray hand delivered this information to the office. Scott sent an October 15, 1991 letter to Mr. Gray informing him that repairs made to the system were considered minor and not a modification. The system was installed prior to 1973. This matter was considered resolved.

After receiving the October 7, 1991 complaint, I called Mr. Misock at 1152 hours. Mr. Misock said that the Mayor of Buffalo had contacted the State Health Department which in turn contacted Mr. Bud Anderson of the Ag Department, who then contacted his supervisor, Mr. Misock. Mr. Misock then contacted Bill Garland. Mr. Misock said that Mr. Anderson was an "old inspector" who had previously inspected the Top Choice facility. He said that dye

had been placed in the system and none showed up in the line (discharge from the Buffalo W.W.T.F.). This indicates that rumors surrounding the alleged connection have been around for years. I talked to Mr. Jerry Olson of the State Health Department in Sheridan at 1548 hours. Mr. Olson and I had previously discussed this facility after the initial April, 1991 complaint. Mr. Olson recalled the dye test which he said occurred in 1982 or 1983. He said that he had given Mr. Meacham two jars of dye to test the system, but had not heard back.

Mr. Meacham returned my call on October 8, 1991. Mr. Meacham said that the City Planner (Buffalo) had again approached him regarding the alleged connection the the W.W.T.F. discharge line. He said that a person whom he would not identify, had been bragging to either the City Planner or a County Commissioner that he did the connection late one night for a case of beer. This individual had apparently rubbed it in or antagonized the Planner or Commissioner. Mr. Meacham said that he was getting pressure and that the "whole problem is heresay" and "the accuser won't stand up." I informed Mr. Meacham that my investigation revealed no evidence of a tap and that the DEQ would not be involved further based on heresay. He said that he was waiting for Dr. Knebel (County Health Officer) to help with the dye.

I received a copy of a letter dated October 16, 1991 (filed) from Mr. Meacham to Mr. Ken Gross of the City of Buffalo. The letter said that a dye study had been performed and indicated that no connection between Top Choice and the Buffalo W.W.T.F. discharge line was found. Mr. Meacham closed the file.

cc: Larry Robinson
Mr. Jerry Olson

MEMORANDUM

TO: File #91-268 - T-Joe's Camp Park
FROM: Lou Harmon *LH*
DATE: February 5, 1992

When the applicant found out what was required for them to do for this permit, they decided to go ahead and build what was permitted under 89-219.

20374.LTR
/nc

Laramie Co.

PERMIT TO CONSTRUCT

PERMIT NO. 91-269

- X New
- Renewal
- Modified

Marker Residential Septic System

This permit hereby authorizes the applicant:

Derek and Shelley Marker
50 Riverview Road
Wheatland, WY 82201

to construct, install or modify residential septic system according to the procedures and conditions of the application number 91-269. The facility is located in S25, T25N, R68W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

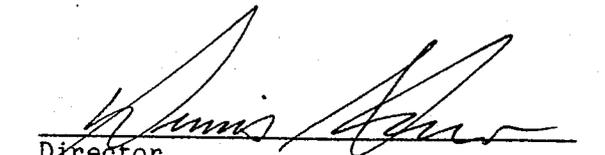
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

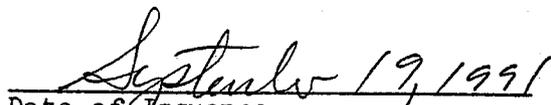
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

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

RE/mad

PERMIT TO CONSTRUCT

New

Permit No. 91-270

Renewal

Modified

Cottonwood Cabin SWTF
(Name of Facility)

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

M. Carol Hill

1139 Rumsey Ave.

Cody, WY 82414

to install a septic tank and leachfield according to the procedures and conditions of the application No. 91-270. The facility is located in Sec 1, T52N, R91W 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.

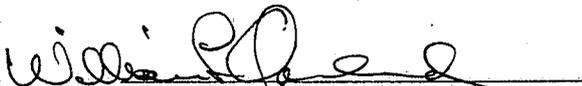
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

PERMIT TO CONSTRUCT

New

Permit No. 91-271R

Renewal

Modified

Central Wyoming Shopping Center Water & Sewer
(Name of Facility)

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

Central Wyoming Shopping Center, Inc.

933 West Main Street

Riverton, WY 82501

to construct sanitary sewer and water lines according to the procedures and conditions of the application No. 91-271R. The facility is located in Sec 22, T1N, R4E in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

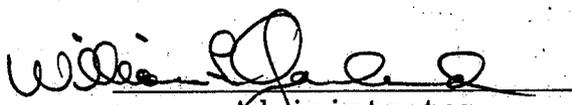
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

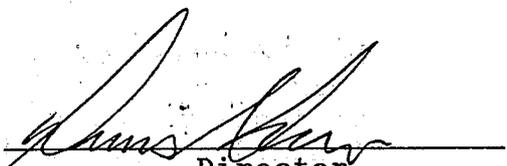
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

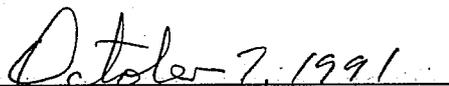
AUTHORIZED BY:



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

PERMIT TO CONSTRUCT

- [] New
[] Renewal
[X] Modified

Permit No. 91-272R

Tenneco Tailings Pond
(Name of Facility)

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

Tenneco Minerals Company

P.O. Box 1167

Green River, WY 82935

to construct, install, or modify a raise the existing dike and construct new northeast dike to crest elevation of 6400, water elevation of 6395 ft facility according to the procedures and conditions of the application No. 78-704RR, 90-254R, and 91-272R. The facility is located in Section 1, T17N, R110W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

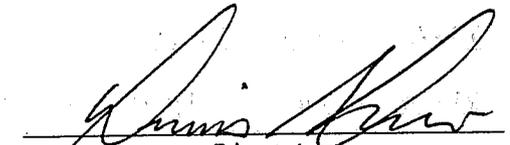
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

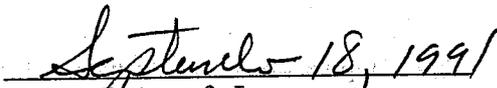
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

SR/anc

INTEROFFICE MEMO

To: Patti Burns, IPS
From: Randall Taylor, SW District WQD
15 February 1995

RT

Reference: Application 91-273

A status request letter has been sent to Rich Moore regarding application 91-273 for which a reply to the DEQ/WQD review has never been received. This letter was returned marked "Moved Left No Address", copy enclosed.

You are requested to update the status of 91-273 to "Application Withdrawn". I will hang on to the application for now and see if I can inspect the site this summer. The application will be disposed if I do not find a current owner within the near future.



THE STATE OF WYOMING

JIM GERINGER
GOVERNOR



Department of Environmental Quality

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

ABANDONED MINES
(307) 332-5085

AIR QUALITY
(307) 332-6755

LAND QUALITY
(307) 332-3047

SOLID & HAZARDOUS WASTE
(307) 332-6924

WATER QUALITY
(307) 332-3144

CERTIFIED: Z 682 777 635

02 February 1995

Mr. Rick Moore
415 West Buffalo
Rawlins, WY 82301

Dear Mr. Moore:

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: Septic System for Recreational Cabin

DEQ/WQD Reference Number: 91-273

Engineering Consultant: none

DEQ/WQD Review Engineer: Lou Harmon

Date of DEQ/WQD Review: 09/26/91

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

Please indicate below the status of 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.

Z 682 777 635



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

DEO

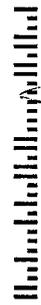
Sent to Mr. Rick Moore	
Street and No. 415 West Buffalo	
P.O., State and ZIP Code Rawlins, WY 82301	
Postage	\$.32
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$2.52
Postmark or Date	

PS Form 3800, March 1993

CERTIFIED

Z 682 777 635

MAIL



~~MR. RICK MOORE
415 WEST BUFFALO
RAWLINS, WY 82301~~



RETURNED TO SENDER
MOVED, LEFT NO ADDRESS

AMM

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
250 LINCOLN STREET
LANDER, WYOMING 82520-2848

PERMIT TO CONSTRUCT

PERMIT NO. 91-274
SEE CONDITIONS

X New
Renewal
Modified

Burlington Northern Railroad, Guernsey, Wyoming Fuel Facility

This permit hereby authorizes the applicant:

Burlington Northern Railroad
373 Inverness Drive South
Englewood, Colorado 80112

to construct, install or modify monitor wells according to the procedures and conditions of the application number 91-274. The facility is located in Section 36 SW1/4SW1/4, Township 27 North, Range 66 West in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

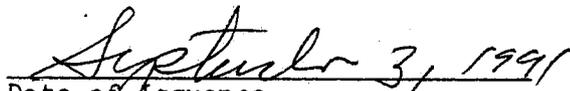
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Department of Environmental Quality


Date of Issuance

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

Conditions to Permit to Construct #91-274

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 91-274. Up to 25 additional wells meeting the requirements of this permit may be installed under this permit.
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
5. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells shall be installed to define the extent of the contamination.

Conditions to Permit 91-274 (continued)

6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. 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;
 - 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;
 - d. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. After the bentonite has been placed in the annular space, it shall be hydrated to insure an proper seal. Protective casing shall be cemented into a sloping concrete cap; and
 - e. All monitor wells shall be designed to contain a minimum of 3 feet of water at all times of the year.
7. Within 180 days of the issuance of this permit, a report of investigation shall be submitted to WQD. This report shall contain at a minimum:
 - a. A chronology of events leading up to the investigation;
 - b. A site map showing the physical features, well locations and sea level elevations;
 - c. Final location, construction details and logs of monitor wells;
 - d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geologic materials and groundwater occurrence;
 - e. Water level and product thickness measurements;
 - f. Sample collection procedures;
 - g. Sampling analytical results;
 - h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - i. A potentiometric surface map showing the direction of groundwater movement; and
 - j. Interpretation of the data and conclusions including recommended remedial measures.
8. 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.

9. All monitor wells associated with this facility shall be sampled and the groundwater analyzed quarterly for the following listed parameters:
 - a. Total Petroleum Hydrocarbon using EPA Method 418.1,
 - b. Purgeable Aromatic Hydrocarbons using EPA Method 602, or 501.2, or 624;
 - c. After the first monitoring event, the WQD may substitute a shorter list for the above parameters, depending on the results of the first monitoring event. WQD may substitute less expensive methods for the above listed methods depending on the results of the first monitoring.
 - d. The results of these analyses shall be submitted to the Cheyenne office by the last day of the month following the end of each quarter. The first set of results are due by the last day of October, 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.

RFL/mad

cc: Jake Strohman
Louis Harmon

Christopher M. Nadler
Remediation Technologies, Inc.
23 Old Town Square, Suite 250
Fort Collins, Colorado 80524

91-275

HARMON

Flying J Travel Plaza

8/14/91

UR

10/14/91

9/25/91

AW (Duplicate of
90-452)

M E M O R A N D U M

TO: File #91-276
FROM: Gary Steele 
DATE: 12/14/94
RE: Rock River Wtr Transline

This project was permitted under permit #91-284.

GS/nc 45770.LTR

PERMIT TO CONSTRUCT

New

Permit No. 91-277R

Renewal

Modified

East Park Avenue Water Line

(Name of Facility)

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

City of Riverton

P. O. Box 1700

Riverton, WY 82501

to construct a 460 L. F. extension of 8" water line facility according to the procedures and conditions of the application No. 91-277R. The facility is located in SE $\frac{1}{4}$ Sec. 27 T1N, R4E in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

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

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

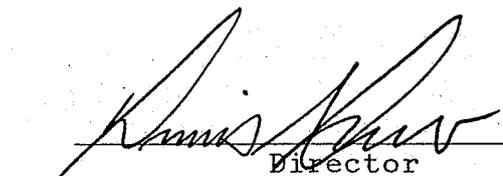
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

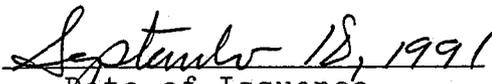
AUTHORIZED BY:



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/jyi

THE STATE



OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
--	---	---	---	--	---	---

June 23, 1994

Mr. Rob Gronewold
Environmental Coordinator
Frontier Refining, Inc.
P.O. Box 1588
Cheyenne, WY 82003

RE: Application for WQD Permit to Construct #91-278R (Re-activation of Lower Wastewater Ponds)

Dear Mr. Gronewold:

For your information, WDEQ/WQD has transferred the materials submitted for Frontier's proposed re-activation of the Lower Wastewater Ponds to Deb Myers with the Department's Solid and Hazardous Waste Division (SHWD) for review. Since these ponds had been classified as a "Hazardous Waste Management Facility" prior to their closure, Frontier must obtain approval for re-activation from WDEQ/SHWD rather than WQD. Ms. Myers will coordinate with EPA on evaluating Frontier's plan for re-activation.

Frontier's application(s) for a WQD Permit to Construct are returned as an attachment to this letter.

Sincerely,

Kevin D. Frederick
Supervisor
Groundwater Pollution Control Program

KDF/jn - 42646.ltr
attachments

c: Deb Myers, SHWD
Phil Stump, WQD
David Hogle, EPA
IPS, WQD

SE/Frontier/91-278.LTR

91-278
~~SPS~~ AR

FRONTIER REFINING INC.
a Subsidiary of Frontier Oil Corporation

P.O. BOX 158A
CHEYENNE, WYOMING 82003-1588
(307) 634-3551
FAX (Main Office) (307) 638-0437
FAX (Purchasing) (307) 778-3837

Mr. Kevin Frederick, P.G.
Engineering Supervisor
Groundwater Program
DEQ Water Quality Division
122 West 25th Street
Cheyenne, WY 82002

Date: January 20, 1994
File: 720.2

VIA TELECOPY 777-5973

Subject: Lower wastewater pond reactivation permit

Dear Mr. Frederick:

In the last week I've left a couple of telephone messages for you concerning your request for information on Frontier's permit application for reactivation of the lower wastewater ponds. Since we've not been able to get together by phone I decided to telecopy a short note to you.

Frontier submitted the permit application to reactivate the lower ponds in July 1992. Due to the uncertainty introduced by the lengthy application review process, Frontier has not been able to make definitive plans to proceed with this project. We are still interested in potentially pursuing the reactivation of the lower ponds, but I cannot tell you when that project might be initiated. Consequently, we request that the Water Quality Division complete the permitting process with the understanding that Frontier may elect to either delay, or abandon, the project.

Please contact me if you would like to discuss this further.

Sincerely,

Rob Gronewold
Environmental Coordinator

RF

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 91-279
SPECIAL CONDITIONS

F.E. Warren AFB, Admin/Covered Storage Facility

This permit hereby authorizes the applicant:

F.E. Warren AFB
Attn. Base Civil Engineer
90 CSG/DE
F.E. Warren AFB, Wyoming 82005

to construct, install or modify water and sewer improvements according to the procedures and conditions of the application number 91-279. The facility is located in SE 1/4 Section 34 T14N R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

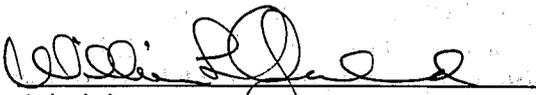
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

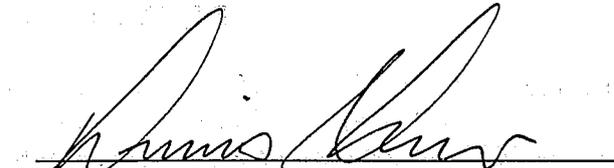
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

4-19-93

Date of Issuance

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

SPECIAL CONDITIONS

- 1 of 5. Valves - A variance from the maximum spacing requirements for valves on water distribution systems is granted based on the information presented.
- 2 of 5. Hydrants - A variance from the requirement that a hydrant fed from one direction only shall be serviced by a water main of at least 8" diameter when the feed line is longer than 250 feet is granted for the hydrant located near the center of the construction area based on the information presented. This water line is specified to be 6" diameter.
- 3 of 5. Trench Sampling - Along the remaining undug portions of the water line trench monitoring for hazardous constituents will be done according to the sampling plan submitted as part of the response to NOV Docket # 2421-92, received by the WQD on March 23, 1993. If contamination is encountered, work will be stopped immediately and the WQD will be notified to assess the situation.

PERMIT NO. 91-279

4 of 5. Inspections - At the three(3) locations where rework of the water/sewer crossings is required, DEQ personnel must complete an on-site inspection before the work is covered, and the work can only be covered after approval by the WQD. Other areas requiring WQD on-site inspection before being covered are the new sewer crossing over the existing water line at the street intersection, and the replacement of the existing 6" sewer line with a new 8" sewer line going east from the existing manhole at the street intersection.

5 of 5. As-Built Plans and Reports -

- a) This office shall be notified in writing of the completion date of the construction authorized by this permit.
- b) Detailed and complete as-built plans of these improvements shall be submitted to DEQ/WQD within one year of the completion of this project. Additionally, a report on the disinfection procedures used and the results of the pressure and leak tests should also be submitted at this time. These as-built plans and reports shall be signed off on by an appropriate Air Force engineering official.

RLE/bb/31694.ltr

cc: Maggie Davison, WQD
NOV Docket # 2421-92 File

MEMORANDUM

To: Bill Garland, Dennis Hemmer

Through: Larry Robinson

From: Ron Ewald

Date: September 3, 1993

Subject: Recommend satisfactory close-out of the F.E. Warren AFB NOV and ORDER, Docket # 2421-92.

As of this date I have received and reviewed the information necessary to determine that all of the conditions of this NOV and ORDER have been satisfactorily addressed and completed.

- Summary -
1. After the issuance of the NOV last year, construction was halted,
 2. Subsequently, a "Permit To Construct" was applied for and eventually issued,
 3. Construction resumed with some required changes to what had previously been built,
 4. Inspections required to verify compliance with both the NOV and "Permit To Construct" were conducted by Ron Ewald of the DEQ/WQD and approved, and finally
 5. Soil samples from the utility trenches were taken as required and analysed for chlorinated solvents, TCE, TPH, and Oil & Grease, and all were found to be below any standard or action levels.
 6. Only one issue remains incomplete. As-built plans must be submitted to DEQ/WQD within one year after completion of the project. However, this is a "Permit To Construct" requirement only, and not an NOV issue.

Recommendation - I recommend that this NOV and ORDER be closed-out with no further action required, and with no penalties pursued. A copy of a proposed closure letter is included with this memo for your review and approval.

cc: Gary Steele, Water Quality Division
NOV File - Docket # 2421-92



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

September 9, 1993

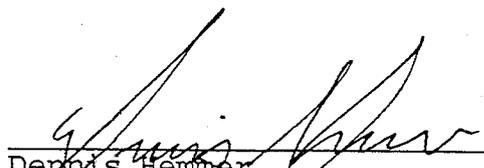
CERTIFIED

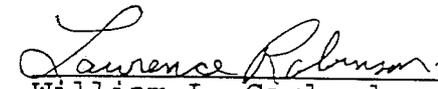
Brigadier General Thomas N. Neary
Base Commander, F.E. Warren AFB
90MW/CC
5305 Randall Ave.
F.E. Warren AFB, Wyoming 82005-2266

RE: Closure of NOV & ORDER, Docket #2421-92

Dear Brigadier General Neary:

The information necessary to determine if the conditions of this NOV & ORDER have been met has been received and reviewed by our staff and found to be satisfactory. DEQ/WQD does not require any further action on this matter and does not intend to pursue any penalties relative to this specific NOV & ORDER. This letter hereby serves as official notice that this NOV & ORDER have been satisfactorily resolved. However, please note that one aspect of the "Permit To Construct" #91-279 for this project remains incomplete as of this date. As-built plans are required to be submitted to this office within one year after completion of the project. Please follow through on this condition. Please thank your staff for their cooperation in resolving this issue.


Dennis Hemmer
Director
Dept. of Environmental Quality


William L. Garland
Administrator
for Water Quality Division

DH/WLG/RLE/bb/34152.1tr

cc: Enforcement File, Docket #2421-92

Larry Robinson/WQD

✓ Ron Ewald/WQD

Maggie Davison/WQD

Jack B. Knudson, Deputy Base Civil Engineer

Majdr Carl Hamblin, FE Warren AFB

Ray Bruntmyer, Air Force Regional Compliance Officer

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: F.E. Warren AFB, ADMIN/COVERED STORAGE FACILITY

ENGINEER: Roger L. Stormo
U.S. Army Corps of Engineers
215 N. 17th Street
Omaha, Nebraska 68102

APPLICANT: F.E. Warren AFB, Base Civil Engineer
90 CSG/DE
F.E. Warren AFB, Wyoming 82005

WATER QUALITY REFERENCE NUMBER: 91-279

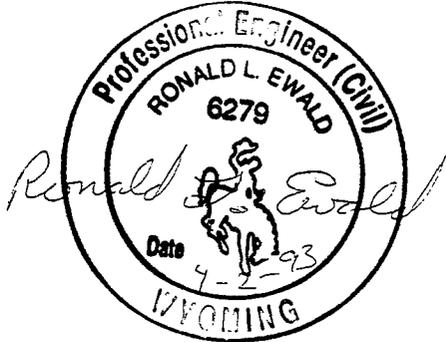
REVIEWING ENGINEER: Ronald L. Ewald

DATE OF REVIEW: April 2, 1993

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

- 1 of 3. Sewer Slope - The slope of the sewer segment between MH #4 and the existing MH at the southeast corner of the project area is listed as 0.40% on the plans; however, an examination of the listed pipe inverts and segment length yields a slope of only 0.31% (6169.6 - 6168.9/226 feet). This is less than the required minimum slope of 0.40% for an 8 inch diameter sewer line.
- 2 of 3. Decreasing Sewer Size - The new sewer entering the existing manhole is shown as 8 inch sewer and the existing sewer leaving the manhole is shown as 6 inch diameter sewer. Sewer pipe shall not be decreased in size in the direction of flow as specified by Chapter XI, Section 9(c)(i)(E).
- 3 of 3. Relocation of Existing 8 Inch Water Line Under New Sewer - The detail of the relocation of the existing water line under the new sewer does not indicate where or how the water line tee which feeds the water line on the south side of the project will tie into the relocated pipe. The horizontal separation between the water line tee and the new sewer line appears to be too short to allow the relocation detail as drawn. Please show where this water line tee will tie into the relocated line, and how.



/nc 31525.LTR
cc: Maggie Davison
Jay Holland, F.E. Warren AFB Contact

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: F.E. Warren AFB, ADMIN/COVERED STORAGE FACILITY

ENGINEER: Roger L. Stormo
U.S. Army Corps of Engineers
215 N. 17th Street
Omaha, Nebraska 68102

APPLICANT: F.E. Warren AFB, Base Civil Engineer
90 CSG/DE
F.E. Warren AFB, Wyoming 82005

WATER QUALITY REFERENCE NUMBER: 91-279

APPROVING ENGINEER: Ronald L. Ewald, P.E.

DATE OF REVIEW: September 22, 1992

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

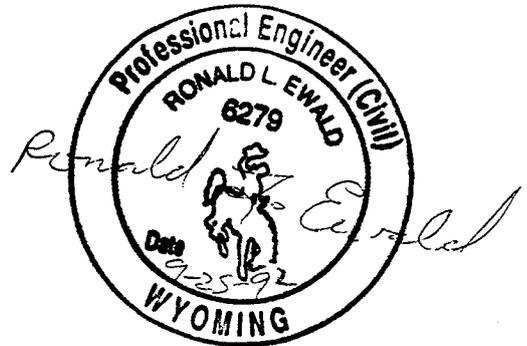
The review of these proposed water and sewer improvements is based on the requirements described in the Wyoming Department of Environmental Quality (DEQ) / Water Quality Division (WQD) Water Quality Rules and Regulations, Chapters III, XI, and XII.

1 of 8. All plans and specifications submitted are required to be stamped by a registered professional engineer in Wyoming according to Chapter III, Section 6, (c).

2 of 8. Water and Sewer Crossings:

- A. At approximately sewer station 1+25 a new water line crosses under the sewer. This requires additional protection according to Chapter XI, Section 9,(f),(ii).
- B. At approximately sewer station 12+25 another crossing is indicated where the new sewer crosses under an existing water line. During construction the owner, engineer or contractor shall locate physically by excavation this water line and verify the vertical separation to the new sewer. If there is less than the required 18" of separation this crossing will also need additional protection.

3 of 8. Valves: In commercial/industrial areas valves on water mains are to be located no more than 500 feet apart according to the requirements of Chapter XII, Section 14, (c). The spacing of the valves as submitted is much greater than 500 feet.



- 4 of 8. Hydrants: Hydrants fed from one direction only shall be on mains of at least 8" diameter if the feed line is more than 250 feet long (Chap. XII, Section 14,(b),(ii)). The hydrant in the center of the project, fed from the south, appears to be on a single 6" line which is over 250 feet long.
- 5 of 8. The backflow device and connections shown at the building interface are not adequately described or detailed. Please indicate make and model of any commercial equipment to be used, connection details, and the nature and usage of the water system being isolated. Chapter XII, Section 14, (i).
- 6 of 8. Engineering Design Report: The requirements for both water and sewer engineering design reports are found in Chapter XI, Section 6, and Chapter XII, Section 6. Such information as design flows and how they were arrived at are missing from the current submittal. Indications of current and projected water system demands are also missing; including a description of the projected purpose and usage of the three(3) water main stubs shown on the plans. Calculations of the expected minimum and maximum sewer velocities should also be included in this report.
- 7 of 8. Chapter XI, Section 26 requires that any discharge to a public sewerage system shall only be allowed by a letter of verification from the public sewerage system manager. Refer to Section 26 to see what this letter should contain.
- 8 of 8. Additional conditions which will be included in the final permit:
- A. **Disinfection** - All new and reused sections of the water distribution system shall be disinfected in accordance with AWWA Standard C601, as specified in Chapter XII, Section 14,(f),(viii), before being placed into service.
 - B. **Pressure and Leakage Testing** - All new and reused sections of the water distribution system shall be pressure and leak tested in accordance with AWWA Standard C600, as specified in Chapter XII, Section 14,(f),(vii), before being placed into service.
 - C. **As-Built Plans and Reports** - Detailed and complete as-built plans of these improvements will be required to be submitted to DEQ/WQD within 60 days of completion of this project to verify compliance with all standard regulations and special conditions imposed by the permit. Additionally, a report on the disinfection procedures and the results of the pressure and leak tests should also be submitted at this time. These as-built plans and reports shall be stamped by a Wyoming registered professional engineer.
 - D. **Contamination Encountered** - If either contaminated soil or groundwater is encountered during the construction of these water and sewer improvements construction will be stopped immediately, DEQ/WQD will be notified, the situation will be assessed and alternate plans developed as necessary for review by the WQD. Construction will only recommence after the proposed alternative plans have been approved by the WQD in writing.

cc: Maggie Davison
Jay Holland, F.E. Warren AFB Contact

/jn
23402.ltr



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

September 9, 1993

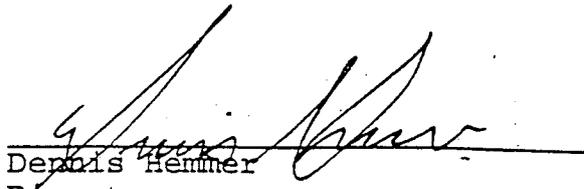
CERTIFIED

Brigadier General Thomas N. Neary
Base Commander, F.E. Warren AFB
90MW/CC
5305 Randall Ave.
F.E. Warren AFB, Wyoming 82005-2266

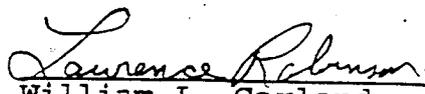
RE: Closure of NOV & ORDER, Docket #2421-92

Dear Brigadier General Neary:

The information necessary to determine if the conditions of this NOV & ORDER have been met has been received and reviewed by our staff and found to be satisfactory. DEQ/WQD does not require any further action on this matter and does not intend to pursue any penalties relative to this specific NOV & ORDER. This letter hereby serves as official notice that this NOV & ORDER have been satisfactorily resolved. However, please note that one aspect of the "Permit To Construct" #91-279 for this project remains incomplete as of this date. As-built plans are required to be submitted to this office within one year after completion of the project. Please follow through on this condition. Please thank your staff for their cooperation in resolving this issue.


Dennis Hemmer
Director

Dept. of Environmental Quality


William L. Garland
Administrator

for Water Quality Division

DH/WLG/RLE/bb/34152.1tr

cc: Enforcement File, Docket #2421-92

Larry Robinson/WQD

✓ Ron Ewald/WQD

Maggie Davison/WQD

Jack B. Knudson, Deputy Base Civil Engineer

Major Carl Hamblin, FE Warren AFB

Ray Bruntmyer, Air Force Regional Compliance Officer

REC-
OK
2-6-93
RLE

91-279



DEPARTMENT OF THE AIR FORCE
90TH MISSILE WING (AFSPACECOM)

30 Jan 95

MEMORANDUM FOR WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Quality Division
122 West 25th Street
Herschler Building
Cheyenne WY 82002

FROM: 90 CES/CEVC
300 Vesle Drive
F. E. Warren AFB WY 82005

SUBJECT: Permit No. 91-279, Construct Admin Covered Storage

In accordance with the Special Conditions of subject permit, attached for your files are the "Record Drawings" of the completed subject project. Included are the water and sewer line drawings not the entire set. If more information is required please contact Madeline Algier at 775-2594.

A handwritten signature in cursive script, appearing to read "John L. Wright".

JOHN L. WRIGHT

Chief, Environmental Management

Attachment:
Record Drawings

RECEIVED

FEB 02 1995

ER QUALITY DIVISION
WYOMING

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 91-280
SEE CONDITIONS

COAL CREEK MINE UST TEST HOLES
(Name of Facility)

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

THUNDER BASIN COAL COMPANY
P.O. Box 406
Wright, Wyoming 82732

to construct, install or modify a test hole network according to the procedures and conditions of the application No. 91-280. The facility is located in Section 17, T46N, R70W, in the County of Campbell, 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: 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 FOR TEST HOLES

1. After the test holes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations.
2. 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.
3. A minimum of one test hole shall be drilled with the back fill area of the UST. A soil/water sample shall be collected at a depth of one foot below the bottom elevation of the tank. (If groundwater is present a water sample shall be collected, if not, a soil sample shall be collected). The sample shall be analyzed for TPH (by an EPA approved method).

Conditions for Test Holes (Continued)

4. Within 60 days of completing the test holes, 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, boring locations and elevations, and boring logs;
- b. Water level and product thickness measurements (as applicable); and
- c. Sample collection procedures and analytical results.

EJL/pr

cc: Kevin Frederick, WQD, Cheyenne

LAND APPLICATION PERMIT

- [] New
[X] Renewal
[] Modified

PERMIT NO. 91-281
(Ref. 90-249)
SEE SPECIAL CONDITIONS

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

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

KISSACK WATER & OIL SERVICE, INC.
P.O. Box 46
Rozet, Wyoming 82727

to land apply waste crude oil and sludges to a private road for dust control.
The application site is located in Sections 1, 2, T47N, R69W, in the County of Campbell and Sections 5, 6, T47N, R68W, in the County of Weston 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.

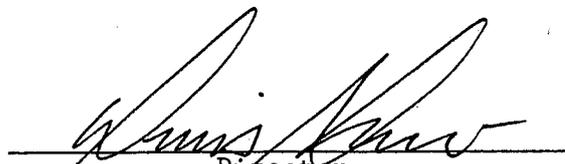
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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

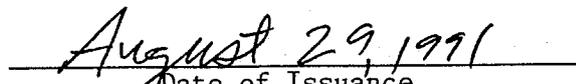
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Waste oil shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8 percent for vehicular application.
3. Waste oil application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil and sludges applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied during the period from November 1 to April 30.
6. If any leaching, pumping or runoff of applied oils occurs within one year of application, the applicant shall be required to regrade the road surface to reincorporate the excess materials.
7. This is the last road application for the road located within Sections 1, 2, T47N, R69W, in Campbell County and Sections 5, 6, T47N, R68W, in Weston County until the District Office determines adequate degradation has taken place in reducing load levels to justify additional road applications.

DRM/pr

LAND APPLICATION PERMIT

- New
 Renewal
 Modified

PERMIT NO. 91-282
(Ref. 90-248)
SEE SPECIAL CONDITIONS

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

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

KISSACK WATER & OIL SERVICE, INC.
P.O. Box 46
Rozet, Wyoming 82727

to land apply waste crude oil and sludges to a private road for dust control.
The application site is located in Sections 11, 13, 14, T47N, R69W, in the
County of Campbell 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.

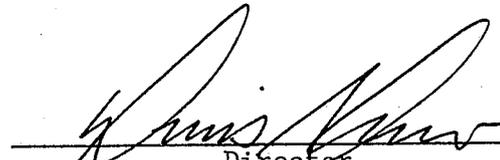
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulations.

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

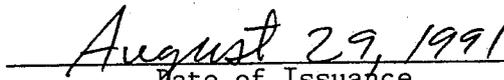
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

LAND APPLICATION SPECIAL CONDITIONS

1. Waste oil shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8 percent for vehicular application or 15 percent for spray irrigation or irrigation by gated pipe on the contour.
3. Waste oil application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil and sludges applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied during the period from November 1 to April 30.
6. If any leaching, pumping or runoff of applied oils occurs within one year of application, the applicant shall be required to regrade the road surface to reincorporate the excess materials.

DRM/pr

PERMIT TO CONSTRUCT

New

Permit No. 91-283

Renewal

Modified

Washington Avenue Sanitary Sewer

(Name of Facility)

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

City of Evanston

1200 Main Street

Evanston, WY 82930

to construct a sanitary sewer collection main facility according to the procedures and conditions of the application No. 91-283. The facility is located in SW $\frac{1}{4}$ and NW $\frac{1}{4}$, Section 16, T15N, R. 120 W. in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

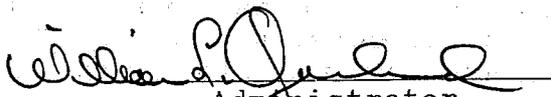
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

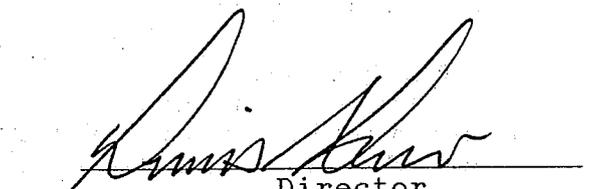
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

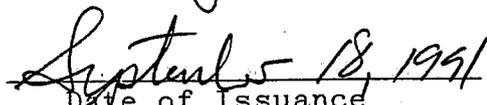
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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/jyi

PERMIT TO CONSTRUCT

PERMIT NO. 91-284

X New
Renewal
Modified

ROCK RIVER INTAKE AND TRANSMISSION LINE

This permit hereby authorizes the applicant:

TOWN OF ROCK RIVER
P.O. BOX 280
ROCK RIVER, WY 82083-0280

to construct, install or modify raw water intake and replacement transmission line according to the procedures and conditions of the application number 91-284. The facility is located in Sections 2, 3, 9, 10, 16, 17, and 20 T19N R78W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

September 30, 1991
Date of Issuance

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

LBH/nc

cc: Banner Associates Inc., P O Box 550, Laramie, WY 82070-8921



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

September 27, 1991

Mr. Roger Strube
Banner Associates Inc.
P.O. Box 550
Laramie, WY 82070-8921

RE: Rock River Intake and Transmission Line, DEQ/WQD Ref. No. 91-284.

Dear Roger:

The construction permit has been issued under DEQ/WQD #91-284. A copy of the approved plans and specifications are enclosed. The first set of plans and specifications submitted are being returned for your disposal. Those plans were assigned application #91-276. That number has been canceled.

Although the permit has been issued without conditions, I have reservations about several of the construction details. Some of the short cuts taken on the engineering made the review confusing.

Unfiltered water for the backflushing of the infiltration gallery screens is being drawn directly from the creek. When the screen is put back in service the particulates from the raw river water will be flushed into the water supply. With very little additional cost a system could have been designed that drew water from three of the screens to flush the fourth screen. Maintaining the gasoline motor for the backflush pump will be a major problem due to infrequent use. A portable pump or electrically driven pump with a portable generator for the town shop would have been a much better solution. The detail used for the air relief valves would not be allowed for a finished water line due to the potential for backflow to occur. As is if the seat of one of the air relief valves develops a leak or fails to seat after cycling, the manhole will flood. The 4X4 wooden posts used for pipeline route markers probably won't last 10 years.

The engineering report does not support the conclusions in adequate detail. The use of an assumed elevation for the layout is inexcusable. Considering that the entire system is designed on gravity flow, the effort to bring in an elevation

PERMIT TO CONSTRUCT

PERMIT NO. 91-285
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

PAYTON SEPTIC TANK AND DRAINFIELD

This permit hereby authorizes the applicant:

GALE PAYTON
P.O. Box 504
Encampment, WY 82325

to construct, install or modify a septic tank and drain field according to the procedures and conditions of the application number 91-285. The facility is located in Lots 1 through 5 Block 40 Town of Encampment in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

September 30, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-285

1. This system is being constructed in the service area of the Encampment Sewage Treatment System. The use of this facility is to be temporary until the sewer system comes within the specified distance of the property. At such time use of the drainfield shall be abandoned and connection made to the sewer system.
2. The septic tank and drainfield must be protected from traffic. The septic tank does not have the structural strength to carry the added weight of an automobile. The percolation rate of the soil is marginal. Any compaction will reduce that already marginal percolation rate. The area towards Lomax Avenue should be set aside for replacement of the drainfield as per DEQ/WQD requirements that the area be provided for a replacement drainfield.

LBH/mad

cc: Town of Encampment
Carbon County Planner

PERMIT TO CONSTRUCT

New

Permit No. 91-286

Renewal

Modified

Riverton - BTI Fire Protection
(Name of Facility)

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

Bonneville Transloaders, Inc.

640 South Federal

Riverton, WY 82501

to install a 6 inch line and fire hydrant facility according to the procedures and conditions of the application No. 91-286. The facility is located in Sec 34, T1N, R4E in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

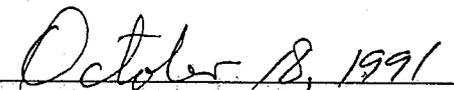
AUTHORIZED BY:



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

PERMIT TO CONSTRUCT

New

Permit No. 91-287R

Renewal

Modified

Jackson Jr. High Water Line Extension
(Name of Facility)

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

Town of Jackson

P. O. Box 1687

Jackson, WY 83001

to install 1240 ft. of 12 inch and 100 ft. of 8 inch D.I.P. facility according to the procedures and conditions of the application No. 91-287R. The facility is located in Sec 6, 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.

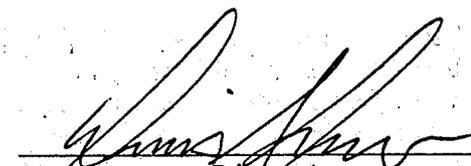
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

SG/jyi

PERMIT TO CONSTRUCT

New

Permit No. 91-288RR

Renewal

Modified

Jackson-East Hansen Street Water
(Name of Facility)

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

Town of Jackson

P.O. Box 1687

Jackson, WY 83001

to install an 8 inch D.I.P. on East Hansen Avenue to connect with the existing 10 inch D.I.P. on Rancher Street according to the procedures and conditions of the application No. 91-288RR. The facility is located in Sec 34, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

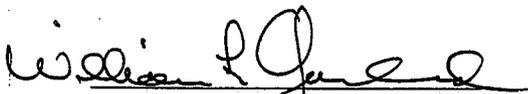
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

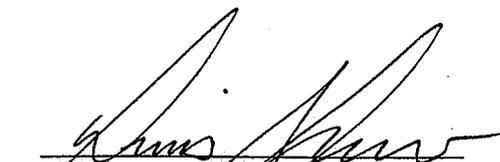
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

OCT 30, 1991

Date of Issuance

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

SG

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 91-289

CHEYENNE RIVER REST AREA WASTEWATER TREATMENT LAGOON
(Name of Facility)

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

Department of Transportation
P.O. Box 1708
Cheyenne, WY 82002

to construct, install or modify a wastewater treatment lagoon facility according to the procedures and conditions of the application No. 91-289. The facility is located in Section 26 Township 39 North Range 71 West, in the County of Converse in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

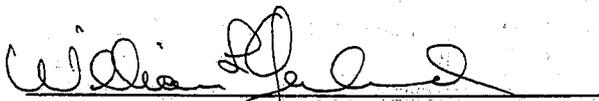
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

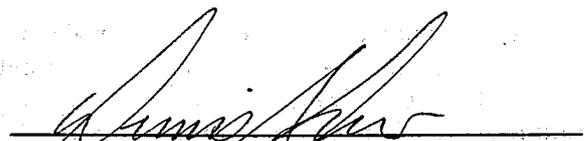
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

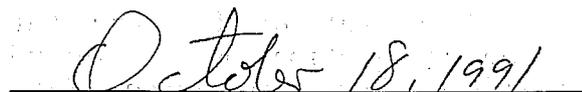
AUTHORIZED BY:



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

SPECIAL CONDITIONS TO PERMIT TO CONSTRUCT #91-289

1. The testing procedure for the synthetic liner must be submitted to the Water Quality Division, Sheridan office for approval prior to putting the lagoon into service.

PERMIT TO CONSTRUCT

New

Permit No. 91-290

Renewal

Modified

Domhoff Log Cabin
(Name of Facility)

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

A.H. Domhoff

381 - Hwy. 20 North

Thermopolis, WY 82443

to construct a septic tank/leach field according to the procedures and conditions of the application No. 91-290. The facility is located in Section 19, T43N, R44W 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.

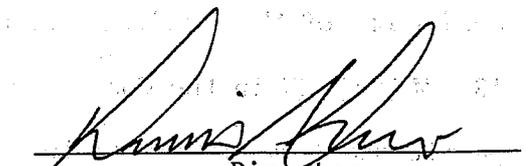
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

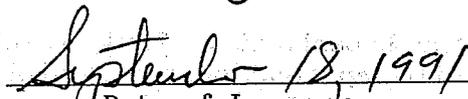
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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. 91-291RR

Renewal

Modified

Buffalo Bill Visitor Center WWTF
(Name of Facility)

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

U.S. Bureau of Reclamation

316 N. 26th Street

Billings, MT 59101

to construct an evapotranspiration bed for disposal of grey water according to the procedures and conditions of the application No. 91-291RR. The facility is located in Sec 12, T52N, R103W 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.

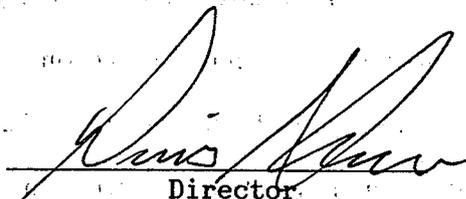
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

1/23/92
Date of Issuance

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

SG

PERMIT TO CONSTRUCT
* CONDITIONED *

- [X] New
[] Renewal
[] Modified

Permit No. 91-292

Amoco Lander Field Monitor Wells
(Name of Facility)

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

Amoco Production Co.

P. O. Box 1400

Riverton WY 82501

to install groundwater monitor wells facility according to the procedures and conditions of the application No. 91-292. The facility is located in Sec 4, T33N, R99W in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

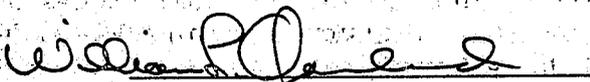
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

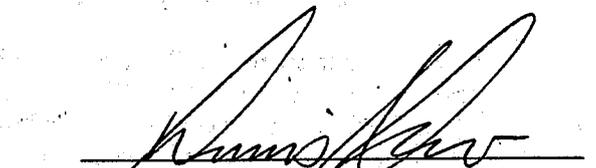
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

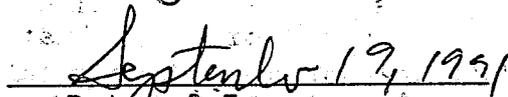
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



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 91-292. 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. 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;
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. Geohydrologic 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 the parameters identified in the site work plan.

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.

PERMIT TO CONSTRUCT

New

Permit No. 91-293R

Renewal

Modified

King Street Water Main Replacement
(Name of Facility)

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

Town of Jackson

P. O. Box 1687

Jackson, WY 83001

to construct a 535 LF 8 inch DIP water main facility according to the procedures and conditions of the application No. 91-293R. The facility is located in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 17, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

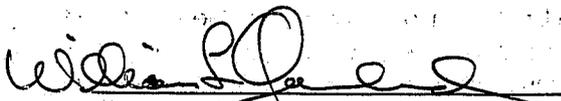
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

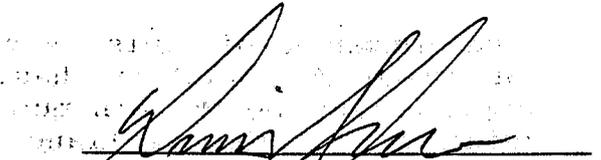
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

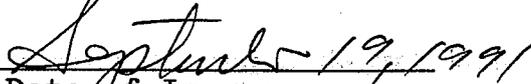
AUTHORIZED BY:



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/jyi

PERMIT TO CONSTRUCT

PERMIT NO. 91-294

- New
- Renewal
- Modified

Curtis and Texas Street Water System Improvement

This permit hereby authorizes the applicant:

Town of Evansville
P O Box 158
Evansville, WY 82636

to construct, install or modify municipal water according to the procedures and conditions of the application number 91-294. The facility is located in Section 1 T33N, R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of (5) five years (5 years maximum) from the date of issuance of this permit.

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

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

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

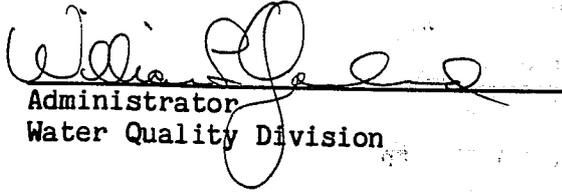
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

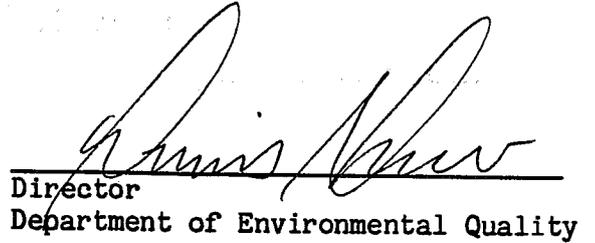
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

10-5-91

Date of Issuance

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

RFL/mad

cc: Lou Harmon

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 91-295R
Condition on Permit

Northwest College Mickelson Field Camp
(Name of Facility)

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

Northwest College
231 West Sixth Street
Powell, WY 82435

to install a septic tank/leach bed according to the procedures and conditions of the application No. 91-295R. The facility is located in SW 1/4 Section 26 T55N, R104W 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.

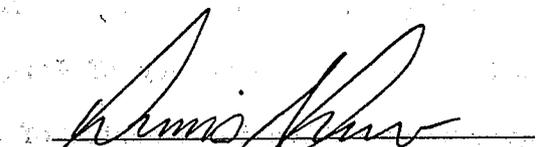
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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.

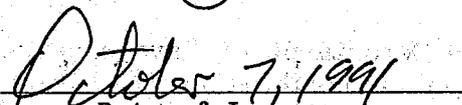
AUTHORIZED BY:



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.

CONDITION

The Park County Planning and Zoning Office must be contacted prior to the start of construction so a construction inspection can be conducted.

JH/anc

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 91-296

Tenneco Soda Ash Project
(Name of Facility)

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

Tenneco Minerals Company

P. O. Box 1167

Green River, WY 82935

to install a interceptor trench on West side of tailings reservoir facility according to the procedures and conditions of the application No. 91-296. The facility is located in SW $\frac{1}{4}$, Sec 1, T17N, R110W in the County of Sweetwater, in the State of Wyoming.

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

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

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

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

solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

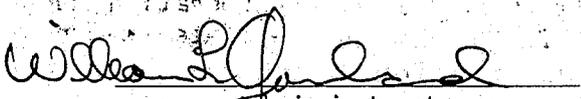
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

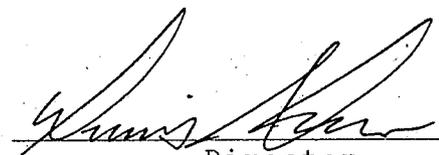
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

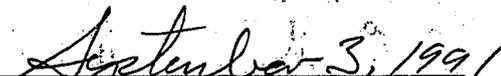
AUTHORIZED BY: _____



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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

BL/jyi

R7

PERMIT TO CONSTRUCT

PERMIT NO. 91-297
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

BAR-X RANCH 3RD FILING DISTRIBUTION AND COLLECTIONS SYSTEM

This permit hereby authorizes the applicant:

CHEYENNE BOARD OF PUBLIC UTILITIES
2100 PIONEER
CHEYENNE, WY 82001

to construct, install or modify water distribution and sewage collection lines according to the procedures and conditions of the application number 91-297. The facility is located in NE 1/4 Section 13 T14N 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.

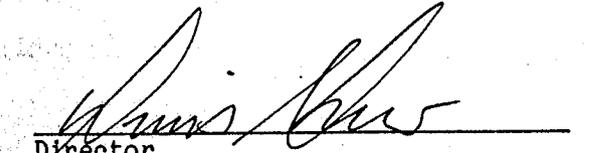
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

October 14, 1991
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #91-297

1. A lamp hole or clean out is required at the end of the sewer line extended across Vandehel on Stockman Street.
2. This project utilizes all remaining pumping capacity at the Monterey Pump Station on the water distribution system. Any future development dependent on this portion of the distribution network will require additional water supply.

LBH\mad

cc: A.V.I. pc

PERMIT TO CONSTRUCT

[X] New [X] CORRECTED Permit No. 91-298
[] Renewal
[] Modified

Tortilla Flats Restaurant
(Name of Facility)

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

William Field

Mountain High Land Brokers

P. O. Box 2784

Jackson, WY 83001

to construct 87 feet of 4" PVC sewer main according to the procedures and conditions of the application No. 91-298. The facility is located in NW $\frac{1}{4}$ Sec 34, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

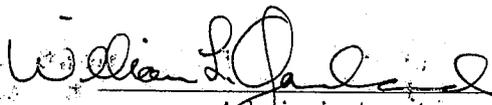
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

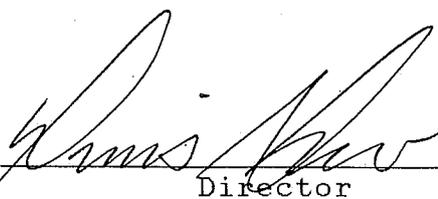
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

OCT 22 1991

Date of Issuance

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

JH/jyi

PERMIT TO CONSTRUCT

New

Permit No. 91-299R

Renewal

Modified

Worland Evaporation Pond Groundwater Interceptor System
(Name of Facility)

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

Holly Sugar Corporation

100 Chase Stone Center

Colorado Springs, CO 80903

to construct, install, or modify a the Interceptor - Trench System at the Holly Sugar facility according to the procedures and conditions of the application No. 91-299R. The facility is located in Sec 36 NE $\frac{1}{4}$, T47N, R93W and Sec 36 NW $\frac{1}{4}$, T47N, R92 $\frac{1}{2}$ W in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

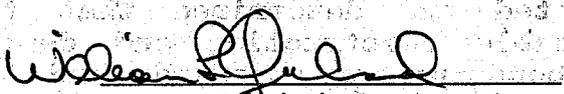
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

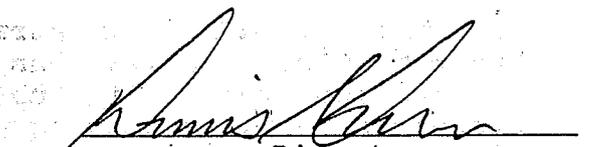
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality

September 30, 1991
Date of Issuance

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

DN/jyi

Permit to Construct

Worland Evaporation Pond Groundwater Interceptor System

91-299R

Page 3

* CONDITIONS *

1. The "Supplemental Information Department of Environmental Quality, Water Quality Division (DEQ/WQD) Permit to Construct" will be resubmitted with the approving engineers stamp on all drawings and the first sheet of the specification.
2. During the first year, quarterly reports will be submitted to the DEQ/WQD detailing the performance of the interceptor system. The report should contain, but not be limited to, water quality data, comparisons of water quality improvements previous sampling data, groundwater contouring to define capture zones, contouring of relevant chemical parameters to provide support for the performance or lack of performance of the interceptor system.

MEMORANDUM

TO: Steve Gerber, Northwest District Supervisor

FROM: Robert Lucht, P.E., UIC Program Supervisor

RL for R. Lucht

DATE: September 11, 1991

SUBJECT: Review - 1991 DENITRIFICATION FACILITY, TETON VILLAGE WWTP, WQD Ref. No. 91-300

The following are Paul O'Leary's and my comments on the above referenced project:

1. Detail 3/M-2 on drawing M-2 shows 4" magnetic flow meters installed directly between a 6"x4" reducer on one side and a motor activated plug valve on the other, followed by a 4" T. Section 14(1)(i) of Chapter XI of the Water Quality Rules and Regulations states that:

"Return sludge. For treatment plants having an average day design capacity of greater than 100,000 gpd (378 m³/d) the return sludge flow rate from each secondary settling unit and to each aeration basin shall be metered to indicate flow rate. Return sludge metering devices shall be suitable for liquids carrying grease and solids, and shall be accurate to within +/- 5 percent of the actual flow rate. Meters shall be readily field calibrated by plant personnel. Meters shall be arranged to avoid trapping air."

With the arrangement shown on detail 3/M-2, how can one verify that these meters will, in fact, be accurate to +/- 5% of the actual flow? Normally, meters of any description must have a straight run of pipe prior to entering the meter to insure that laminar flow prevails through the meter itself.

2. On detail C/M-2 a 6" magnetic flow meter is shown on a 10" mixed liquor return line. Can the engineer insure that the 6" magnetic flow meter will perform as required with reducers on both sides? Also, the only valve on this line is one plug valve located just ahead of the meter in the headworks area. The placement of this one plug valve just upstream from the meter makes it unlikely that the meter will perform as required.
3. Figure 1/M-1 on page M-3 is mislabeled. I think this should be Figure 2/M-1. There is already a figure 1/M-1 on page M-2.
4. The placement of a 16" diameter hole in the flow channel leading to the clarifiers will effect the hydraulics of this channel. Please verify that the operation of the two clarifiers will not be adversely impacted by the placement of this MLR line. Will the flow to the clarifiers still be fed in a uniform manner across the width of the clarifiers?
5. Page 8 of the Rothberg, Tamburini and Winsor calculations of head loss shows that the anoxic return line should be an 18" pipe. The plans show a 16" pipe. Is the 16" pipe adequately sized for this application?

M U D W A R I O M

6. Sheet III of the plans shows that a 4" motor activated valve is to be located on the sludge wasting line going to aeration basin #4 and is to be located inside this basin. This valve and activator can be submerged. Is the NEMA 4 housing specified for this valve activator adequate for submergence?
7. The calculations showing the required size for the anoxic basins are based on all available dissolved oxygen in the flow to these basins being immediately converted to nitrate. How fast will this reaction take place? At what point in the anoxic basin will the basin actually become oxygen starved? Retention time in the basin must be calculated from the point where the basin becomes anoxic and cannot assume that the available oxygen is used up instantaneously.
8. What is the total net increase or decrease in solids caused by this modification? What affect will this have on the sludge management plan for Teton Village?
9. This department recommends that these plans be submitted to Wyoming State OSHA for review of potential safety problems prior to construction.
10. Please verify that the required process of Nitrification/Denitrification has been reviewed in light of all electron acceptors. These include O_2 , NO_2 , NO_3 , SO_4 , Fe^{3+} and Alkalinity (CO_3 and HCO_3). Other parameters, such as pH, and temperature should also be reviewed. Review of this process with all of these parameters will ensure that the process will have long term viability without concern for upset caused by lack of any item necessary for full process results.

RL/nc

I think this should be figure 2-1-1 on page M-5.

With the flow to the clarifiers will be affected by the flow to the clarifiers?

The pipe should be an 18" size. The pipe should be an 18" size for this application.

PERMIT TO CONSTRUCT

New

Permit No. 91-300

Renewal

Modified

Teton Village 1991 WWTF Denitrification Facilities
(Name of Facility)

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

Teton Village Water & Sewer District

P. O. Box 586

Teton Village, WY 83025

to construct a two anoxic basins and modify the RAS, WAS, influent monitoring and install two new lift pumps facility according to the procedures and conditions of the application No. 91-300. The facility is located in SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec 24, T42N, 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
Water Quality Division


Director
Dept. of Environmental Quality

Oct 30 1991

Date of Issuance

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

JH/jyi