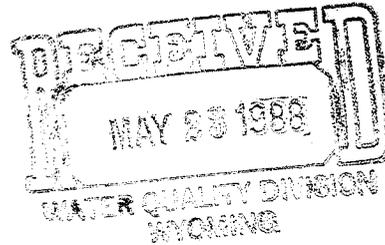


THE STATE



OF WYOMING



Department of Environmental Quality

Air Quality Division
(307) 672-6457

Water Quality Division
(307) 672-6457

May 19, 1988

Mr. James J. Grahm
Fort Union Mine Partnership
1 Allen Center
500 Dallas Street, Suite 300
Houston, Texas 77002

Dear Mr. Grahm:

On November 13, 1987, you were sent review comments from the Wyoming Department of Environmental Quality, Land and Water Quality Divisions, regarding the proposed K-Fuel facility at Fort Union Mine, Campbell County, Wyoming. Your Water Quality permit application was for a disposal facility for wastewater from the process. The specific information is as follows:

Facility: K-Fuel Wastewater Facility
Water Quality Reference Number: 87-401
Engineering Consultant: Western Water Consultants, Sheridan, Wyoming
Water Quality Reviewing Engineer: Susan Fields
Date of Review: November 3, 1987

Our records indicate you have not responded to this review.

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."

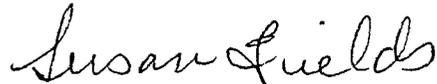
Please indicate the status of this project and your application for a permit to construct. If you desire, you may withdraw the application and your application materials will be returned to you. If the facility is still under design, please indicate and provide an estimation of your resubmittal date. Please respond to me within 30 (thirty) days with your intentions.

I should remind you that any disposal of process wastewater from the K-Fuel process, including the pilot plant, must be approved by the Water Quality Division. This includes disposal to the City of Gillette Wastewater Treatment Plant.

Mr. James J. Grahm
May 19, 1988
Page Two

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

Sincerely,

A handwritten signature in cursive script that reads "Susan Fields".

Susan Fields
Northeast District Supervisor
Water Quality Division

SF:jj

xc: Doyl Fritz, Western Water Consultants
Norma Coulson, DEQ/WQD, Cheyenne
Review File: 87-401

normal

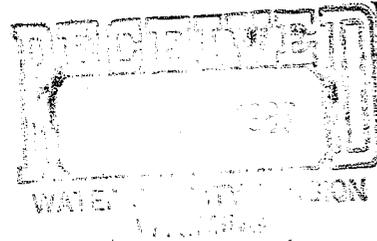
MEMORANDUM

TO: Beth Goodnough, LQD, Sheridan
Review File: 87-401

FROM: *SA* Susan Fields, WQD, Sheridan

DATE: November 3, 1987

SUBJECT: Review of Permit to Construct Application 87-401; K-Fuel Wastewater Facility



I have received all information submitted to Water Quality during the original WQD permitting of subject facility. The following comments include review of this information in conjunction with the current application.

- 1) An engineering design report must be submitted with the application as outlined in Section 6(c) of Chapter XI of the Water Quality Rules and Regulations. Of particular interest is documentation of the proposed development schedule for the K-Fuel process and description (quality and quantity) of the waste streams generated. Any new quality data available on the wastewater should be submitted. The report shall document the applicants means of insuring that the facility will not impact groundwater. The report shall identify the groundwater classification and document existing uses within a one mile radius of the proposed facility.
- 2) The previous site investigation conducted in February, 1985, as documented in a letter to Dick Lennox, WQD, dated April 30, 1985, is not adequate to document that no degradation of groundwater quality will occur. The site investigation consisted of a single bore hole drilled to approximately 120 feet and a second boring drilled for the purpose of collecting soil samples. A more thorough investigation is necessary that will define subsurface conditions within the extent of the containment area. The subsurface investigation should document, at a minimum, the subsurface materials encountered, depth to groundwater and permeability of subsurface materials. Borings should be conducted at intervals that will provide a reasonable level of confidence regarding the continuity of subsurface conditions.
- 3) Permeability testing should match proposed field conditions as closely as possible. The two permeability tests run in 1985 on samples collected from a single bore hole were remolded to 95% maximum dry density prior to testing. Unless construction will consist of removal and compacted replacement of these materials, I do not feel this test procedure is appropriate. Perhaps inplace permeameter measurements or permeability testing of undisturbed core samples would be more appropriate.
- 4) I have serious concerns regarding the effects of the wastewater on the natural clay materials at the site. Testing in 1985 using bench test wastewater affected the permeability of the soils. In the two

tests run, permeability increased in one and decreased in the other when wastewater was used as the permeant. These tests, I believe, only serve as evidence that the compatibility of the wastewater with clay soils needs to be more carefully examined. The feasibility of a synthetic liner must be evaluated.

- 5) Groundwater monitoring will be required at this facility. Monitor wells should be located such that upgradient or ambient monitoring can be conducted from at least one well. Other wells should be located downgradient from the facility such that any leakage or impact to groundwater can be detected. Wells should be completed into the uppermost aquifer. Specific monitoring frequency and sampling parameters will be established when enough information is submitted to conduct a thorough groundwater review. It would be a good idea to locate wells and construct them so that they could be used for containment and pump back should seepage be detected.
- 6) Ambient groundwater sampling must be conducted in order to classify the uppermost aquifer. Typically, three quarters of data are required for the parameters listed in Chapter VIII of the Water Quality Rules and Regulations. It may be possible to use existing data from monitor wells at the Fort Union Mine depending on well location and production zone. Existing groundwater uses within a one mile radius of the proposed facility shall also be documented as a means of establishing the groundwater classification.
- 7) A leak detection system may be required depending on the groundwater classification and the proposed method of groundwater protection.
- 8) The applicant previously justified the in-place materials as adequate by demonstrating the materials provide in excess of the required minimum liner of three feet of soil at 1×10^{-7} cm/sec. It is important to understand that Chapter VIII of the Water Quality Rules and Regulations requires that seepage from a facility shall not cause a violation of the groundwater standards. The standards state that all groundwater shall be protected for its intended use and uses for which it is suitable. This is the primary consideration in design of this facility and more stringent liner requirements may be placed on the facility depending on groundwater quality, use, subsurface conditions and wastewater strength.
- 9) The application must contain detailed construction specifications addressing earth moving operations. Specifications shall detail excavation conditions and anticipated stripping requirements. They should state compaction, maximum lift, and materials specifications for any replacement materials, including liner material and embankments. Quality control testing is required and test procedures and frequency should be specified. A contingency for test failure shall be addressed.

Memo to Beth Goodnough
K-Fuel, 87-401
November 3, 1987
Page Three

All quality control test results will be submitted to the DEQ/WQD District Office for review. A written certification by a licensed engineer that the facility was constructed according to the approved plans and specifications will be required upon completion of the facility.

- 10) The Water Quality Division must receive written confirmation from the U.S. Environmental Protection Agency regarding EPA jurisdiction over this facility under RCRA regulations or any other Federally administered program.
- 11) The facility design must provide for protection of wildlife by security fencing and protection of migratory birds by the use of flagging, strobe lights or other acceptable means.
- 12) The existing NPDES permit for the facility may be maintained at the discretion of the applicant. If the permit is maintained, it must be updated to reflect the anticipated increased discharge volume. It is expected that with the requirements associated with the new permit to construct, that the NPDES permit may be inactivated if the applicant desires.
- 13) A complete groundwater and engineering review will be conducted when the information requested herein is submitted.



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
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February 13, 1991

Jess Hosteler
Tri Hydro Corporation
920 Sheridan
Laramie, WY 82070

RE: Water Quality Division Permit Application No. 87-402, Quik Shop Monitoring,
Sheridan County, Wyoming

Dear Mr. Hostetler:

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

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000.00 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules and Regulations, must be followed.

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/EJL/mad

Enclosures: Permit to Construct Application No. 87-402

cc: Patti Burns, IPS, Cheyenne

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

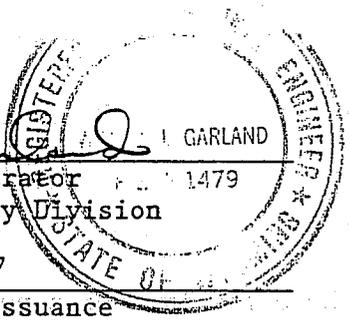
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

William Garland
 Administrator
 Water Quality Division
 10-29-87
 Date of Issuance



Ralph Worn
 Director
 Dept. of Environmental Quality

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

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

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

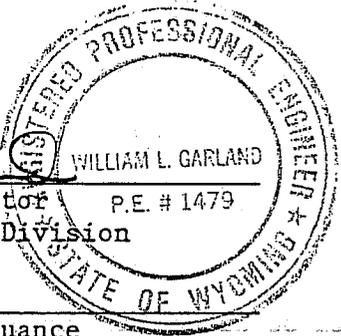
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

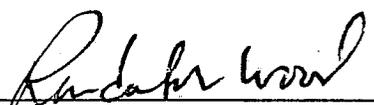
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator P.E. # 1479
Water Quality Division


WILLIAM L. GARLAND
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING



Director
Dept. of Environmental Quality

10-29-87
Date of Issuance

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

CONDITIONS ON PERMIT

This permit is issued with the following requirements:

1. The septic tank is to be used as a holding tank for the '87-'88 ski season only. Thereafter, the tank is to be used as a septic tank with effluent disposal in accordance with a method authorized by the Water Quality Division.
2. The wastewater removed from the holding tank must be disposed of in a manner that meets Water Quality Regulations.
3. Records of the holding tank pumping must be kept including date, quantity, hauler, and disposal location.

PERMIT TO CONSTRUCT

PERMIT NO. 87-406
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

HOLLY SUGAR CORPORATION

This permit hereby authorizes the applicant:

Holly Sugar Corporation
P O Box 1052
Colorado Springs, CO 80901

to construct, install or modify monitor wells at the Worland, Wyoming sugar factory according to the procedures and conditions of the application number 87-406. The facility is located in Section 36, T47N, R93W in the county of Washakie, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

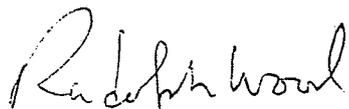
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division





Director
Department of Environmental Quality

10-22-87
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-406

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

Conditions to Permit 87-406 (continued)

personnel may be on-site if deemed necessary.

8. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in Permit to Construct application number 86-174R.
9. 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 should be installed according to normal engineering practice.
10. After the bentonite has been placed in the annular space of the monitoring well, it should be hydrated to insure a proper seal.
11. Depending on the results of subsurface contamination investigation, additional site investigations or remedial measures may be required by the Water Quality Division.

cc: Jake Strohman

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-407
See Conditions

X New
Renewal
Modified

Cedar Knolls - Community Park Water System Improvements

This permit hereby authorizes the applicant:

Casper Board of Public Utilities
200 N. David Street
Casper, WY 82601

to construct, install or modify water lines according to the procedures and conditions of the application number 87-407. The facility is located in S16, T33N, R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

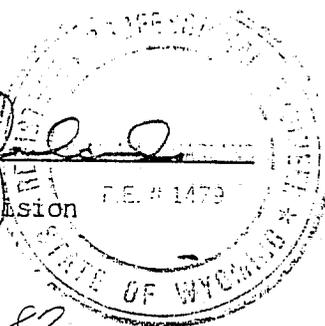
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

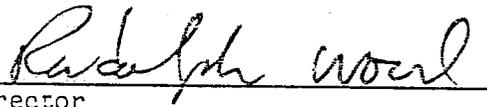
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division F.E. # 1479





Director
Department of Environmental Quality

10-24-87
Date of Issuance

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

Conditions to Permit Construct # 87-407

1. All construction will be in accordance City of Casper Water and Sanitary Sewer Design and Construction Specifications as approved DEQ/WQD Reference Number 87-348.
2. Sewer and water crossing at S. Chestnut and West 21st Street, Sheet 5 had less than 18 inch vertical separation. The water line shall be placed in a separate conduit pipe.

✓me
R.F.

PERMIT TO CONSTRUCT

PERMIT NO. 87-408
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

Lvnn's Fuel Depot

This permit hereby authorizes the applicant:

Lvnn Elwood
Lvnn's Service, Inc.
Lvnn's Fuel Depot
Cody, Wvoming 82414

to construct, install or modify a network of up to 15 monitor wells according to the procedures and conditions of the application number 87-408. The facility is located in SE NW S5, T52N, R101W in the county of Park, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

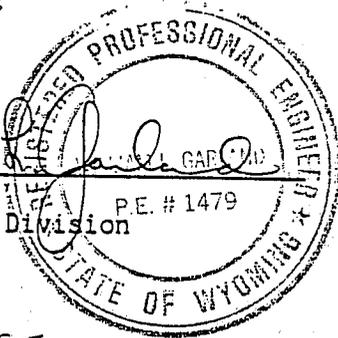
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

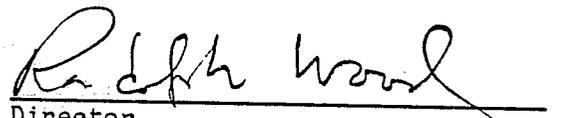
777-7781.

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

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

AUTHORIZED BY:


William R. Gardner
Administrator
Water Quality Division


Director
Department of Environmental Quality

12-11-87
Date of Issuance

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

CONDITIONS TO PERMIT TO CONSTRUCT #87-408

1. Additional wells and soil borings meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. Within 30 days after the monitor wells have been completed, the owner shall provide the Wyoming Department of Environmental Quality, Water Quality Division with a report that details the logs and locations. If the construction specifications were not included in the application or changes were made, they should be included in the report.
3. The results of any analyses conducted on soil or water removed from these wells shall be provided to the department within 15 days of when they become available.
4. All monitor wells and soil borings will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. The time schedule for plan implementation as agreed to by the consulting firm on November 25, 1987 shall be adhered to. Drilling shall commence on or before December 31, 1987 with a report submitted by January 31, 1988.
7. Caps shall be kept locked at all times other than sampling. Any tampering with the monitor wells shall be reported immediately to the division.
8. The entire extent of contamination will be defined including hydrocarbon

Conditions to Permit 87-408 (continued)

product layers and dissolved constituents.

9. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required.
10. Provisions shall be made for the development of all monitor wells prior to sampling.
11. Department of Environmental Quality, Water Quality Division personnel shall be given sufficient notice prior to the installation of the monitor wells and sample collection so that Department of Environmental Quality, Water Quality Division personnel may be on-site if deemed necessary.
12. A reasonable time frame for the submittal of a hydrocarbon recovery system and/or dissolved hydrocarbon recovery system application for a permit to construct should be provided to the department as soon as possible. Cleanup shall be implemented in a timely and diligent manner.
13. As seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing will be cemented into a sloping concrete cap.
14. All monitor wells shall be slotted from the bottom of the hole to 1-2 feet above the highest expected groundwater table.
15. All monitor wells shall be clearly numbered and locked. Keys shall be provided to the department within 30 days of installation.
16. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
17. A minimum of 2" PVC pipe will be used.
18. The sand pack will be compatible with the perforations.
19. All monitor wells associated with this facility including the domestic well shall be sampled and the wastewater analyzed quarterly for benzene, ethylbenzene, toluene, xylene, total hydrocarbons and lead until other monitoring operations are allowed by the Department of Environmental Quality, Water Quality Division. When product layers exist they are to be measured and the above parameters need not be sampled for. The results of these analyses are due in the Cheyenne office by the last day of the month following the end of each quarter in January, April, July, and October. Samples should be collected during the first week of the last month of each quarter to ensure timely submittal. The first set of quarterly results are due by the last day of January 1988.
20. All inventory records for a year prior to the report of a spill shall be submitted to the Department of Environmental Quality/Water Quality Division within 15 days of receipt of this permit. Reconciled inventory records with the volume of the spill specified shall be submitted to the Department of Environmental Quality/Water Quality Division within 45 days of receipt of this permit.

cc: Eric Nolan, Delta Environmental Consultants, Inc., 19 Old Town Square,
Suite 238, Ft. Collins, CO 80524
Craig Kautz, Federal Insurance Co., 129 E. Broadway, Owatonna, MN 55060

Conditions to Permit 87-408 (continued)

Jake Strohman, DEQ/WQD, Cheyenne

Mike Young, DEQ/WQD, Lander

Matt Langenfeld, DEQ/WQD, Cheyenne

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-409

X New
Renewal
Modified

Del Range Boulevard Water Main

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
2100 Pionner Avenue
Cheyenne, WY 82003

to construct, install or modify municipal water distribution line according to the procedures and conditions of the application number 87-409. The facility is located in S20, T14N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Ralph Wood
Director
Department of Environmental Quality

11-4-87
Date of Issuance

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

PERMIT TO CONSTRUCT

PERMIT NO. 87-410
Ref. No. 86-050
See Conditions

- New
- Renewal
- Modified

Town of Rolling Hills Chlorination Unit

This permit hereby authorizes the applicant:

Town of Rolling Hills
Coal Company Rte. Box U-12
Glenrock. WY 82637

to construct, install or modify chlorination facility for public water system according to the procedures and conditions of the application number 87-410. The facility is located in S15, T34N, R75W in the county of Converse, in the State of Wyoming. This permit shall be effective for a period of 30 days (5 years maximum) from the date of issuance of this permit.

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

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

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

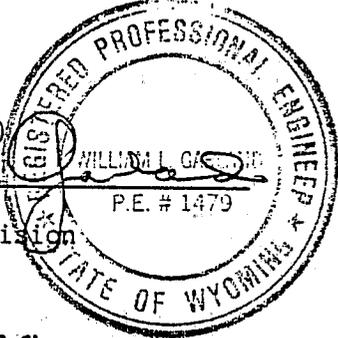
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

AUTHORIZED BY:


William G. Casper
Administrator
Water Quality Division

Robert H. Wood
Director
Department of Environmental Quality

1-13-88
Date of Issuance

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

Conditions to Permit to Construct #87-410

1. An operation and maintenance manual must be authorized prior to start-up in accordance with Section 16, Chapter XII, Water Quality Rules and Regulations.
2. The Water Quality Division shall review the shop drawings prior to bid award in accordance with the engineer's letter of December 26, 1987.



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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January 8, 1988

CERTIFIED

Stephen E Harker, Mayor
Town of Rolling Hills
Coal Company Route, Box 4-12
Glenrock, WY 82637

RE: Rolling Hills Water System

Dear Mayor Harker:

Enclosed you will find a permit to construct the chlorination facility for your water system. The permit requires that the chlorination facility be constructed within 30 days of issuance of the construction permit. This is in accordance with the Notice of Violation and Order which was issued on September 17, 1987.

With the completion of the chlorination facility, you will have satisfied items 3 & 4 of the order. However items 1, 2, and 5 continue to be out of compliance with the order.

On December 29, 1987, Mr. Hartley stated that the O&M manual (DEQ 86-050) for the water well, tank, and pumphouse would not be submitted until the first of February 1988. The Water Quality Division does not agree with the delay and find the delay in conflict with the order.

Sincerely,

Thomas S. Norman
Southeast District Supervisor
Water Quality Division

TSN/mad
Enclosure

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of Rolling Hills Water Chlorination

ARCHITECT OR ENGINEER: Robert Hartley

APPLICANT: Town of Rolling Hills

WATER QUALITY DIVISION REFERENCE NUMBER: 87-410

REVIEWING ENGINEER: Thomas S. Norman, Southeast District Supervisor

DATE OF REVIEW: October 26, 1987

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

1. An application form (attached) was not submitted.
2. Respiratory protection equipment meeting the requirements of NIOSH shall be available where chlorine gas is handled and shall be stored at a convenient location, but not inside any room where chlorine is used or stored.
3. Repair kits approved by the Chlorine Institute shall be provided where chlorine gas is utilized.
4. The chlorine room shall be provided with a shatter resistant window.
5. Chlorine rooms shall be heated to 60°F.
6. Details (drawings) need to be submitted on the chlorine building which show location of vents, fans, lights, heaters, cylinders, etc.
7. Separate switches for the fan and lights shall be located outside the chlorine room.
8. An O & M manual is required prior to plant startup.

/jn

PERMIT TO CONSTRUCT

PERMIT NO. 87-411
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

Auto Shop, Fleet Operations

This permit hereby authorizes the applicant:

University of Wyoming
Facilities Engineering
P O Box 3227, University Station
Laramie, Wyoming 82071

to construct, install or modify monitoring wells according to the procedures and conditions of the application number 87-411. The facility is located in Sections SE $\frac{1}{4}$, NE $\frac{1}{4}$, T16N, R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

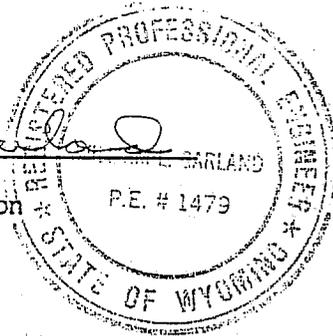
777-7781.

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

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

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

11-5-87
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-411

1. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. Once the monitor wells have been completed, the owner will provide the Wyoming Department of Environmental Quality, Water Quality Division with a report that details the logs and locations. If the construction specifications were not included in the application or changes were made, they should be included in the report.
3. The results of any analyses conducted on soil or water removed from these wells shall be provided to the department as soon as they are available.
4. All monitor wells and soil borings will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. Keys for all monitoring wells shall be provided to the department within 30 days of completion of the project. Caps shall be kept locked at all times other than sampling. Any tampering with the monitor wells shall be reported immediately to the division.
7. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions

Conditions to Permit 87-411 (continued)

which may be required.

8. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in Permit to Construct application number 87-411.
9. 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 should be installed according to normal engineering practice.
10. After the bentonite has been placed in the annular space of the monitoring well, it should be hydrated to insure a proper seal.
11. Depending on the results of subsurface contamination investigation, additional site investigations or remedial measures may be required by the Water Quality Division.
12. Additional monitoring wells need to be installed down gradient in order to define the groundwater gradient and extent of groundwater contamination (free product and/or dissolved constituents).
13. Perforations in the monitoring wells shall extend at least five (5) feet above the water table in an unconfined aquifer.
14. How will contaminated soils be detected in the boreholes/wells (i.e., by smell and when no odor is detected, drill an additional 4-6 feet with samples every 2½ feet).
15. Decontaminating equipment (Augers, Bailors, etc.) before and/or after each borehole or well.
16. Sampling protocol will be submitted with final report:
 - A. Sampling procedures - how will free product thickness be detected
 - B. Chain of custody
 - C. Analysis type - EPA 602 is required for BETX, USGS method (Total Hydrocarbons) for diesel.
17. Monitoring will be quarterly until the Water Quality Division feels, background has been established and no impact on the groundwater has occurred due to the leaks. Background water quality shall be established by testing for parameters listed in Table I in Chapter VIII of Wyoming's Rules and Regulations, excluding radiological parameters.

cc: Jake Strohman

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-412
See Conditions

X New
Renewal
Modified

Rawlins Railyard Diesel Recovery Trench

This permit hereby authorizes the applicant:

Union Pacific Railroad
1416 Dodge Street
Omaha, NE 68179

to construct, install or modify diesel recovery trench according to the procedures and conditions of the application number 87-412. The facility is located in SW $\frac{1}{4}$, SW $\frac{1}{4}$, S16, T21N, R87W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

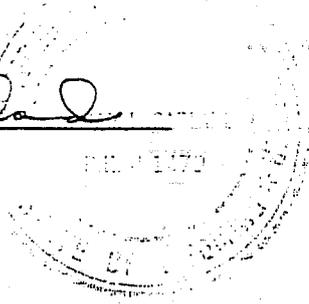
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

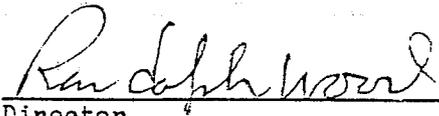
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division





Director
Department of Environmental Quality

10-29-87
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT #87-412

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

1. Once the oil collection system has been installed the owner will provide the DEQ/WQD with a report that details any and all chemical analyses, water levels and other observations made by the engineer during construction.
2. The results of any analyses of oil or water removed from or associated with this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
3. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
4. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
5. The issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination Study and any future remedial actions which may be required.
6. The permittee shall notify the DEQ/WQD five days prior to the exact dates of installation. The DEQ/WQD shall also be notified when the system is made operational.
7. The permittee shall notify the Division of the name, telephone number, and address of the on-site operator of the oil recovery system.
8. The permittee shall operate the oil recovery system continuously unless DEQ/WQD allows other operational plans. The Division shall be notified within

Conditions to Permit 87-412 (continued)

30 days in the event that the oil recovery system is not operational for more than 48 hours.

9. Prior to operation of the oil recovery system, an approved Operation and Maintenance Manual shall be provided to the Division and to all operators. The O&M Manual shall contain at a minimum a schematic, operations guide, maintenance schedule, trouble shooting guide, discharge requirements and limitations, DEQ contact, and safety requirements.
10. Well permits shall be obtained from the State Engineer. A quarterly report shall be submitted by the last day of January, April, July and October. All reports are due with 30 days of the end of the period. The quarterly report shall include at a minimum, oil and water pumped per month, downtime and dates, and monthly water level monitoring data.
11. Provision shall be made to winterize this system so that year round operation can be maintained. All piping shall be heat traced and insulated or buried below frostline.

RF.

PERMIT TO CONSTRUCT

PERMIT NO. 87-413

- X New
- Renewal
- Modified

Encampment/Riverside Branch Library

This permit hereby authorizes the applicant:

Carbon County Library Board of Trustees
Carbon Building
Rawlins, WY 82301

to construct, install or modify municipal wastewater collection line according to the procedures and conditions of the application number 87-413. The facility is located in S1, T14N, R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Rudolph Wood
Director
Department of Environmental Quality

11-10-87

Date of Issuance

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

PERMIT TO CONSTRUCT

PERMIT NO. 87-414
Ref. 85-513
SEE SPECIAL CONDITIONS

New
X Renewal
Modified

TERRA RESOURCES INC. STATEWIDE RIG TOILET

This permit hereby authorizes the applicant:

Terra Resources, Inc.
P. O. Box 2500
Casper, Wyoming 82602

to construct, install or modify a sewage hole or holding tank according to the procedures and conditions of the application number 85-513. The facility is located Statewide, in the State of Wyoming. This permit shall be effective for a period of two (2) (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.

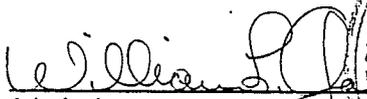
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

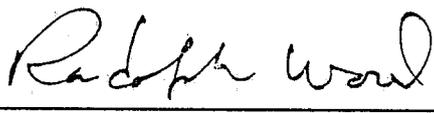
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

11-5-87
Date of Issuance

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

Special Conditions for Permit to Construct 87-414

1. The permittee shall notify both the appropriate county and state agency prior to the installation, removal or abandonment of any facility authorized by this permit. The appropriate agency for each county is indicated in the attached list. Notification shall be by phone with a follow-up written notice. Upon abandoning the site, the facility will be removed, disposed of, or left in place in a condition rendering the site safe for the public. Any waste from the facility shall be disposed of only in areas and in a manner approved by the appropriate agency. Upon request, the permittee shall allow authorized representatives of the local agency or the state to have access to the authorized facility for the purpose of conducting an inspection to determine compliance with the provisions of this permit.
2. Sewage holes may only be installed if the depth to groundwater is 40 feet or more. The sewage hole may be no greater than 20 feet deep.
3. The soils types and depth to groundwater shall be reported to appropriate agency for each county prior to installation.
4. Soils with percolation rates less than 1 minute/inch and greater than 60 minutes/inch are not acceptable.
5. These facilities are approved for domestic waste only. Introduction of wastes other than domestic waste shall not be allowed and will be considered a violation.

cc: E.R. Haymaker & Assoc., 1709 S. Boxelder, Casper, WY 82601
County Agencies
WQD District Engineers
Jake Strohm

AGENCIES RESPONSIBLE FOR SMALL WASTEWATER PERMITS

1. Albany Co.
Albany Co. Planning Office
405 Grand Ave.
Laramie, WY 82070
Phone: (307) 721-5188
2. Big Horn County
DEQ/WQD District Supervisor
Lander
3. Campbell County
Campbell County Engineer
500 South Gillette Ave.
Gillette, WY 82716
Phone: (307) 682-1970
4. Carbon County
DEQ/WQD District Supervisor
Cheyenne
5. Converse County
Converse County Sanitarian
Converse County Health Dept.
530 Oak
Douglas, WY 82633
Phone: (307) 358-2536
6. Crook County
DEQ/WQD District Supervisor
Sheridan
7. Fremont County
Fremont County Planner
Room 200, County Courthouse
Lander, WY 82520
Phone: (307) 332-5371
8. Goshen County
Goshen County Sanitarian
P.O. Box 1132
County Courthouse
Torrington, WY 82240
Phone: (307) 532-5002
9. Hot Springs County
Hot Springs County Planner
County Courthouse
Thermopolis, WY 82443
Phone: (307) 864-2732
10. Johnson County
Johnson County Sanitarian
County Courthouse
Buffalo, WY 82834
Phone: (307) 684-7555
11. Laramie County
Laramie Co. Environmental
Health
1700 Snyder Ave.
Cheyenne, WY 82001
Phone: (307) 638-8545
12. Lincoln County
Lincoln County
Office of Planning &
Development
P.O. Box 414
Afton, WY 83110
Phone: (307) 886-3825
13. Natrona County
Natrona County Health Dept.
1200 East 3rd.
Casper, WY 82601-2990
Phone: (307) 235-9316
14. Niobrara County
DEQ/WQD District Supervisor
Sheridan
15. Park County
Park County Planning
Coordinator
P.O. Box 160
Cody, WY 82414
Phone: (307) 587-2204
16. Platte County
DEQ/WQD District Supervisor
Cheyenne
17. Sheridan County
Sheridan County Engineer
P.O. Box 612
Sheridan, WY 82801
Phone: (307) 672-3426

18. Sublette County
 Sublette County Planner
 P.O. Box 506
 Pinedale, WY 82941
 Phone: (307) 367-4375
19. Sweetwater County
 Sweetwater County Sanitarian
 205 East Railroad Ave.
 Green River, WY 82935
 Phone: (307) 875-2611 Ext.
 278
20. Teton County
 Teton County Sanitarian
 P.O. Box 1727
 Jackson, WY 83001
 Phone: (307) 733-3959
21. Uinta County
 Uinta County Engineer
 225 9th Street
 Evanston, WY 82930
 Phone: (307) 789-1780 Ext.
 318
22. Washakie County
 Washakie County Planner
 County Courthouse
 Worland, WY 82401
 Phone: (307) 347-2741
23. Weston County
 DEQ/WQD District Supervisor
 Sheridan

DEQ/WQD District Offices

Northwest District - Lander

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

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

Northeast District - Sheridan

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

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

Southwest District - Lander

Lincoln
 Sublette
 Sweetwater
 Uinta

Southeast District - Cheyenne

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

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



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

January 5, 1988

Mr. Keith S. Thompson
Western Water Consultants, Inc.
611 Skyline Road
Laramie, Wyoming 82070

RE: Letter Requesting Withdrawal of permit 87-415

Dear Mr. Thompson:

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

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

Sincerely,

A handwritten signature in cursive script that reads "William L. Garland".

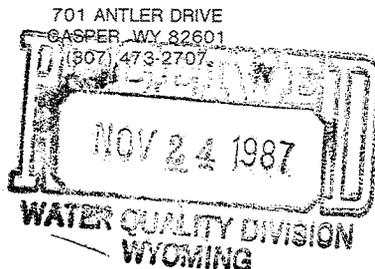
William L. Garland
Administrator
Water Quality Division

WLG/jt

WESTERN WATER CONSULTANTS, INC.

Engineering • Hydrology • Hydrogeology • Waste Management • Construction Administration

611 SKYLINE ROAD
P.O. BOX 4128
LARAMIE, WY 82071
(307) 742-0031



2 NORTH MAIN
P.O. BOX 3042
SHERIDAN, WY 82801
(307) 672-0761

November 23, 1987

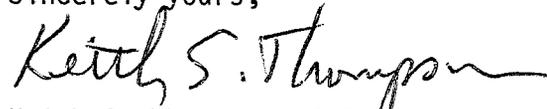
Mr. Robert L. Stites
Wyoming Department of Environmental Quality
Water Quality Division
Herschler Building
Cheyenne, WY 82002

Re: Permit to Construct No. 87-415

Dear Mr. Stites:

Per our recent conversation and correspondence, we wish to withdraw our application for the above-referenced permit.

Sincerely yours,


Keith S. Thompson, C.P.G.
Hydrogeologist

KST:chc

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

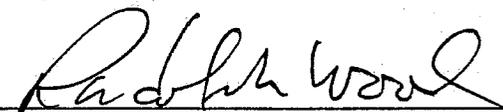
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:


WILLIAM J. GARLAND
P.E. 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
Administrator
Water Quality Division
3-1-88
Date of Issuance


Director
Dept. of Environmental Quality

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

RF vnc

PERMIT TO CONSTRUCT

PERMIT NO. 87-417
See Conditions

X New
Renewal
Modified

Stauffer Big Island Mine and Refinery

This permit hereby authorizes the applicant:

Stauffer Chemical Company of Wyoming
P O Box 513
Green River, WY 82935

to construct, install or modify groundwater monitoring well network according to the procedures and conditions of the application number 87-417. The facility is located in S4 & 9. T20N. R109W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

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

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

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

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

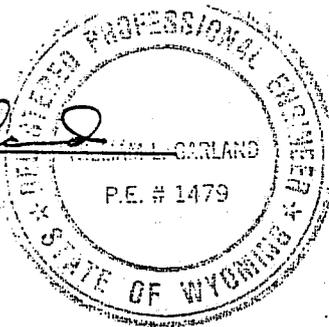
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

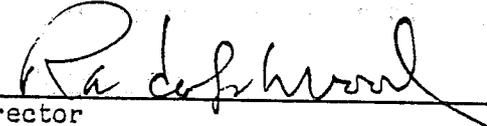
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

12-7-87
Date of Issuance

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

Conditions to Permit to Construct #87-426

1. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in permit to construct application number 87-417. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. 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 should 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 Water Quality Division.
4. In addition to the well construction information submitted with the permit application, the following items relating to well construction must be addressed when the wells are installed:
 - a. After the bentonite has been placed in the annular space, it should be hydrated to ensure a proper seal;
 - b. A locking cap is strongly recommended;
 - c. A concrete surface seal is required to ensure that any surface water is diverted away from the well;

Conditions to Permit 87-417 (continued)

- d. Provisions should be made to shoot the elevation of the top of the PVC casing of each monitoring well.
5. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with Water Quality Division standard procedures.

cc: Jake Strohman, DEQ/WQD
Jack Bedessem, DEQ/WQD, Lander

R7
lu
nc

PERMIT TO CONSTRUCT

PERMIT NO. 87-418
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Lynn's Service Site

This permit hereby authorizes the applicant:

Lynn Elwood
Lynn's Service, Inc.
255 S. Douglas
Powell, Wyoming 82435

to construct, install or modify a hydrocarbon recovery system according to the procedures and conditions of the application number 87-418. The facility is located in NE NE $\frac{1}{4}$, T55N, R99W, Lot 63 in the county of Park, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

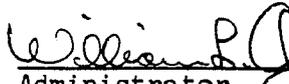
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

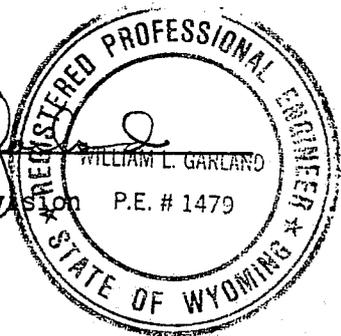
777-7781.

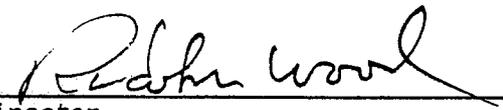
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division P.E. # 1479




Director
Department of Environmental Quality

3-7-88

Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-418

1. Additional recovery system(s) may be installed with prior approval from the department.
2. Once the hydrocarbon recovery system has been installed, the owner will provide the Department of Environmental Quality, Water Quality Division with a report that details the lithological logs.
3. The results of any analyses conducted on soil or water removed from this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
4. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. The issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination study and any future remedial actions which may be required.
7. The permittee shall notify the Department of Environmental Quality, Water Quality Division five days prior to the exact dates of drilling and installation.
8. The permittee shall notify the division of the name, phone number and address of the on-site operator of the recovery system.
9. The permittee shall operate the recovery system continuously unless the

Conditions to Permit 87-418 (continued)

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

10. Prior to operation of the hydrocarbon recovery system, an approved Operation and Maintenance Manual shall be provided to the division and to all operators. The O & M Manual shall contain, at a minimum, a schematic, operations guide, maintenance schedule, troubleshooting guide, discharge requirements and limitations, Department of Environmental Quality contact, provisions in the event of a spill, methods for handling and disposing of hydrocarbon product and contaminated water in a proper manner, and safety requirements.
11. The hydrocarbon recovery system shall be "winterized" to prevent freeze-up and breakdown.
12. A status report shall be provided to the division on a quarterly basis with reports due by the last day of January, April, July and October. The report shall include at a minimum, volumes pumped of water and hydrocarbon product, downtime and dates, effectiveness of the recovery system, fluid levels in the recovery well and associated tankage, LEL levels in the sanitary sewer, monthly benzene levels of the discharge to the sewer, monitoring data for all monitor wells and the recovery well, current pumping rate and radius of influence. Monitor wells MW-46, TW-1, TW-2, TW-3, W-27, TW-4, TW-5, TW-6, TW-7, TW-8, TW-9, TW-10, TW-12, TW-13, TW-14, MW-20, and MW-9 shall be sampled quarterly for benzene, toluene and xylene (btx), total petroleum hydrocarbons (TPH), lead, product layers and static water levels. If product layers exist, samples need not be taken for btx and TPH. All reports are due within 30 days of the end of each quarter. The status report and associated data shall be submitted until other reporting plans are allowed by the department.
13. In the event that the system does not operate as planned or effectively recover the gasoline product layer, provisions shall be made for correcting the deficiencies. In any event, the hydrocarbon product and related dissolved constituents shall be recovered and cleaned up in a timely and diligent manner until released by the Department of Environmental Quality, Water Quality Division.
14. This hydrocarbon recovery system shall be installed and made operational within 45 days of issuance of this permit.
15. Copies of all letters and reports submitted to the City of Powell shall be provided to the department.
16. Benzene levels in the discharge to the sanitary sewer shall not exceed 10 ppm as specified by the City of Powell.
17. The city and the DEQ/WQD shall be notified in the event that LEL levels greater than 20% are encountered in the sanitary sewer. Under no circumstances shall petroleum product be discharged to the sanitary sewer.
18. Department personnel shall be allowed access to the contamination site, recovery wells and, monitor wells during normal working hours and upon the presentation of credentials.
19. All contaminated soils excavated to make room for this system shall be

Conditions to Permit 87-418 (continued)

disposed of properly.

20. The at grade manhole shall be sealed and constructed in such a way that it will not allow water to leak in. The manhole will be locked and a key kept at the site at all times.
21. All access manholes to the STI-P3 tanks and recovery well shall be locked and clearly labeled to ensure that product will not be accidentally delivered to the recovery system.
22. All buried tanks associated with this system will qualify as Underground Storage Tank's and notification forms are to be submitted within 30 days of installation. All tanks shall be installed in accordance with Federal EPA interim prohibition. The impressed current for these tanks shall be checked to ensure that they are cathodically protected.
23. All STI-P3 tanks are to be installed according to STI-P3 manufacturer guidelines.

cc: John Barnes, City of Powell
Tom Richards, Delta Environmental
Steve Jones, Assistant Attorney General
Steve Gerber, WQD, Lander
Jake Strohman, WQD
Mike Young, WQD, Lander
Matt Langenfeld, WQD

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-419

X New
Renewal
Modified

Albany County Weed & Pest Control Building

This permit hereby authorizes the applicant:

Albany County
405 Grand Avenue
Laramie, Wyoming 82070

to construct, install or modify cross connection control on municipal water distribution system (air gap), according to the procedures and conditions of the application number 87-419. The facility is located in NW, Section 9, T15N, R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

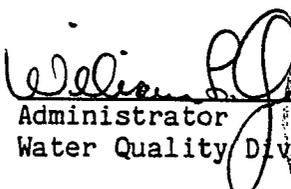
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

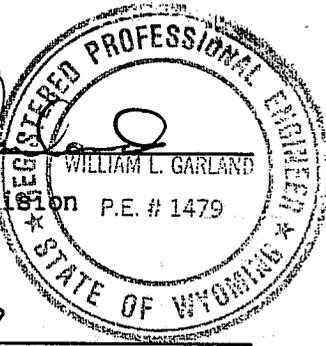
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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



WILLIAM L. GARLAND
P.E. # 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING


Director
Department of Environmental Quality

11/13/87
Date of Issuance

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

cc: Robert Juve
City of Laramie
P O Box C
Laramie, WY 82070

PERMIT TO CONSTRUCT

PERMIT NO. 87-420
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

PROFESSIONAL OFFICE BUILDING COMPLEX

This permit hereby authorizes the applicant:

Tom Kilty
500 West 27th Street
Cheyenne, Wyoming 82001

to construct, install or modify commercial subsurface wastewater treatment and disposal system, according to the procedures and conditions of the application number 87-420. The facility is located in NE, Section 13, 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.

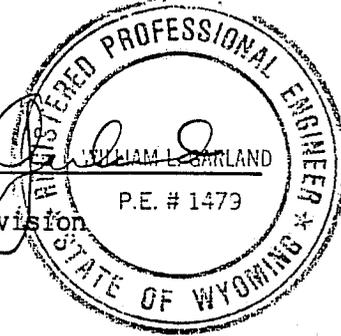
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

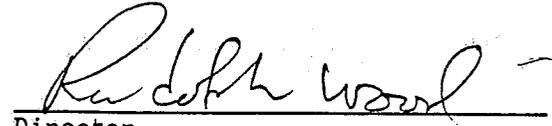
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division



REGISTERED PROFESSIONAL ENGINEER
WYOMING
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING


Director
Department of Environmental Quality

12-08-87
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-420

1. The permittee shall notify Don Pack, Laramie County Environmental Health, 1700 Snyder Avenue, Cheyenne, Wyoming 82001, phone number (307) 638-8545 of the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.
 2. The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The 201 Facilities Plan Final Report: City of Cheyenne, South Cheyenne Water and Sewer District and Laramie County requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan.
- cc: Laramie County Environmental Health, 1700 Snyder Ave., Cheyenne, WY 82001
Peter Abplanalp, Intermountain Professional, Services, Inc.
320 W. 25th Street, Suite 110, Cheyenne, Wyoming 82001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Professional Office Building Complex

ARCHITECT OR ENGINEER: Peter Abplanalp
Intermountain Professional Services, Inc.
320 West 25th Street, Suite 110
Cheyenne, Wyoming 82001

APPLICANT: Tom Kilty
500 West 27th Street
Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 87-420

REVIEWING ENGINEER: Thomas S. Norman *TBN*

DATE OF REVIEW: November 10, 1987

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

1. This facility is located within the Cheyenne 201 wastewater planning area. An exemption from the city/county is necessary prior to the Department of Environmental Quality issuing a permit.
2. A sewer collection line is defined as where two or more service connections from separate buildings intersect. Therefore, a portion of the collection line is defined as a sewer collection line and the minimum size must be six inches.

/jt

R.F

PERMIT TO CONSTRUCT

PERMIT NO. 87-421
Ref. No. 79-358
SEE SPECIAL CONDITION

- New
- Renewal
- Modified

MOUNTAIN HOME RESORT (non-discharging sewage treatment facility)

This permit hereby authorizes the applicant:

Dick Foster
P. O. Box 580
Laramie, Wyoming 82070

to construct, install or modify a new leachfield according to the procedures and conditions of the application number 87-421. The facility is located in Section 17, T12N, R78W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of 2 (two) years (5 years maximum) from the date of issuance of this permit.

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

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

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

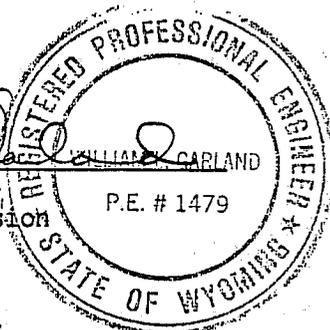
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

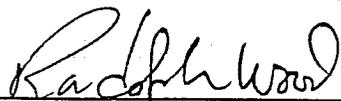
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:


William J. Garland
Administrator
Water Quality Division


Director
Department of Environmental Quality

11-10-87
Date of Issuance

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

Special Condition for Permit to Construct 87-421

The permittee shall notify the Albany County Planning Office, 405 Grand Avenue, Laramie, Wyoming 82070, phone number (307) 721-5188, of the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. At least one working day (24 hours) notice is required prior to backfilling.

cc: Albany County Planning Office
Joel Coffee, Associated Engineers
Jim O'Conner, Wyoming Highway Department (permit only)

✓me

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 87-422R

Belmont Park Subdivision Phase II
(Name of Facility)

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

Pacific Power & Light Co.
P.O. Box 1200
Rock Springs, WY 82902

to construct, install, or modify a 8 inch diameter water distribution line
and appurtenances

_____ facility according to the procedures and conditions of the
application No. 87-422R. The facility is located in _____

NE $\frac{1}{4}$, Sec. 33, T19N, R105W
_____ in the County of Sweetwater,

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

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and dur-

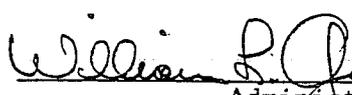
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

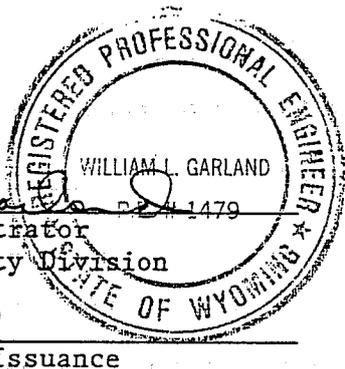
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

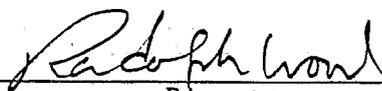
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division
12-15-87
Date of Issuance




Director
Dept. of Environmental Quality

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

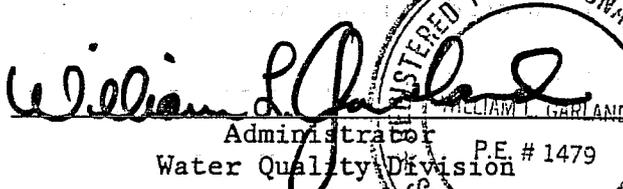
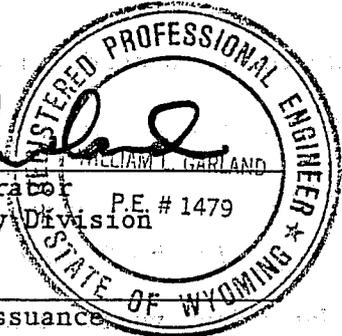
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

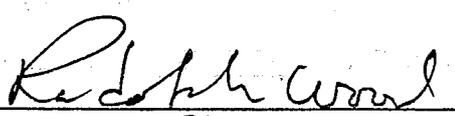
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AUTHORIZED BY:


Administrator
Water Quality Division P.E. # 1479

12-8-87
Date of Issuance


Director
Dept. of Environmental Quality

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

State of Wyoming
Oil and Gas Conservation Commission

R.F.

GOVERNOR MIKE SULLIVAN, CHAIRMAN

COMMISSIONERS

HOWARD M. SCHRINAR

GARY B GLASS

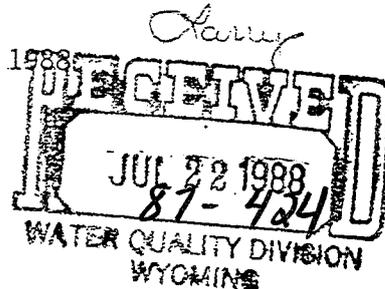
MARVIN A KELLER

EDDIE MOORE

STATE OIL AND GAS SUPERVISOR

DONALD B BASKO

February 10, 1988



Mike Quick
Marathon Oil Company
P.O. Box 2690
Cody, WY 82414

Re: Steam blowdown pit; Utah Southern No. 51, NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section
29, Township 56 North, Range 97 West, Big Horn County,
Wyoming

Dear Mr. Quick:

After our telephone conversation on February 8, 1988, I pulled all the information regarding the above noted project. It has complied with our Rule 326 (Pollution and Surface Damage) and any questions EPA had. Enclosed is a copy of the approved application for the construction of the steam blowdown pit in Garland Field, steam injection well No. 51.

If you need any additional information please do not hesitate to contact me.

Sincerely,

Connie Frielinghausen
Connie Frielinghausen,
Petroleum Technician

CF/lm

enclosures

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

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

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

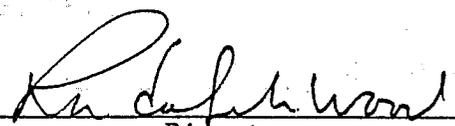
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division P.E. # 1479





Director
Dept. of Environmental Quality

12-7-87

Date of Issuance

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

✓nc

PERMIT TO CONSTRUCT

PERMIT NO. 87-426
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Fire Station No. One - Small Wastewater System

This permit hereby authorizes the applicant:

Laramie County Fire District No. Two
P O Box 832
Cheyenne, WY 82003

to construct, install or modify septic tank and leachfield according to the procedures and conditions of the application number 87-426. The facility is located in Section 22, T14N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

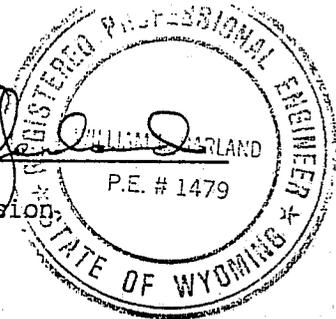
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

William L. Johnson
Administrator
Water Quality Division



R. E. Johnson
Director
Department of Environmental Quality

12-7-87
Date of Issuance

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

Conditions to Permit to Construct #87-426

1. The permittee shall notify Don Pack, Laramie County Environmental Health, 1700 Snyder Avenue, Cheyenne, Wyoming 82001, phone number (307) 638-8545 of the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.
2. The septic tank inlet and outlet pipes shall be cast or ductile iron or schedule 40 pcv pipe and shall extend past the septic tank excavation to solid ground.
3. Trench width for the absorption field shall be two feet.
4. The new well will be located at least 50 feet from the septic tank and 100 feet from the leachfield.

cc: Don Pack, Laramie County Environmental Health
Rande Poupirt, Architect, 2020 Carey Ave, Suite 650, Cheyenne, WY 82001
Rick Johnston, Gust & Johnston, 2232 Dell Range Suite 203, Cheyenne, WY 82009

R 7
/me

PERMIT TO CONSTRUCT

PERMIT NO. 87-427
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

Evansville Water Booster Station

This permit hereby authorizes the applicant:

Town of Evansville
P O Drawer 158
Evansville, WY 82636

to construct, install or modify municipal water booster system according to the procedures and conditions of the application number 87-427. The facility is located in S1, T33N, R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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.

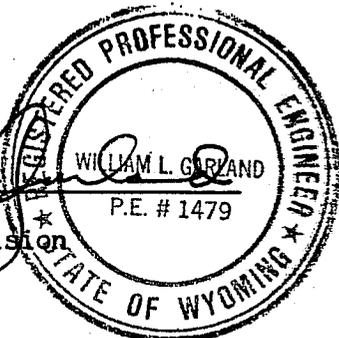
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

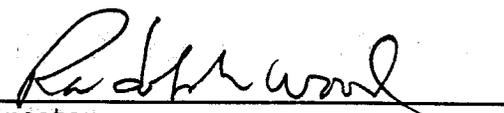
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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


W. L. Garland
Administrator
Water Quality Division


Director
Department of Environmental Quality

12-15-87
Date of Issuance

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

Condition to Permit to Construct #87-427

An operation and maintenance manual shall be approved by the Department of Environmental Quality, Water Quality Division, prior to start up.

cc: Don Shosky, EPA
Mike Cunningham
Alan Edwards, State Planning Coordinator's Office

52

PERMIT TO CONSTRUCT

PERMIT NO. 87-428
See Special Conditions

New
 Renewal
 Modified

Flying J Travel Plaza

This permit hereby authorizes the applicant:

Flying J, Inc.
P O Box 678
Brigham City, Utah 84302

to construct, install or modify commercial wastewater treatment facility according to the procedures and conditions of the application number 87-428. The facility is located in NE Section 14, T13N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of (2) two years (5 years maximum) from the date of issuance of this permit.

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

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

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

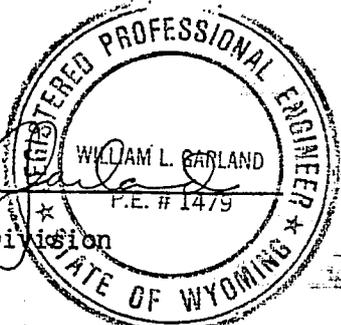
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division

Rudolph Wool
Director
Department of Environmental Quality

4-12-88

Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-428

1. A draft O&M Manual shall be submitted at 50% completion of construction and a final O&M Manual shall be authorized prior to construction.

✓ R.F.

PERMIT TO CONSTRUCT

PERMIT NO. 87-429
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

Fort Laramie Wastewater Treatment Facility

This permit hereby authorizes the applicant:

Town of Fort Laramie
P O Box 177
Fort Laramie, WY 82212

to construct, install or modify groundwater monitoring well network according to the procedures and conditions of the application number 87-429. The facility is located in S26, T26N, R64W in the county of Goshen, in the State of Wyoming. This permit shall be effective for a period of one year (5 years maximum) from the date of issuance of this permit.

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

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

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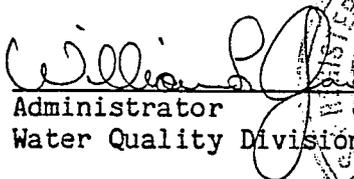
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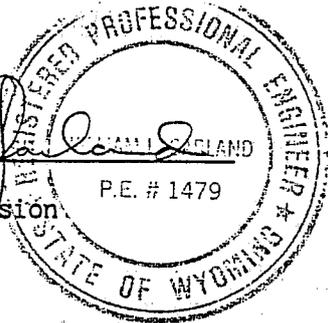
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

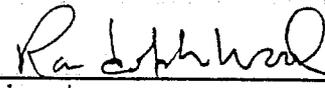
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

12-11-87

Date of Issuance

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

Conditions to Permit to Construct #87-429

1. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in permit to construct application number 87-429. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. 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 should 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 Water Quality Division.
4. In addition to the well construction information submitted with the permit application, the following items relating to well construction must be addressed when the wells are installed:
 - a. After the bentonite has been placed in the annular space, it should be hydrated to ensure a proper seal;
 - b. The borehole diameter must be at least four inches larger in diameter than the casing diameter;

Conditions to Permit 87-429 (continued)

- c. The screened interval must extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level;
 - d. To minimize the entrance of fine-grained material into the well, the filter pack should be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - e. The monitoring well should be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - f. The concrete surface seal should slope away from each well so that surface runoff cannot enter the well;
 - g. Provisions should be made to shoot the elevation of the top of the PVC casing of each well.
5. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with Water Quality Division standard procedures.
 6. Each well shall be sampled for four consecutive quarters for the parameters listed in Wyoming Water Quality Rules and Regulations, Chapter VIII, table I, excluding the radionuclides. Quarterly sampling results shall be provided to the Water Quality Division within 30 days following the end of each quarter. Once background groundwater quality has been established, a reduced sampling parameter list will be provided by the Water Quality Division.

cc: Jake Strohman, DEQ/WQD
Larry Robinson, DEQ/WQD
Tom Pilch, DEQ/WQD

THE STATE



OF WYOMING



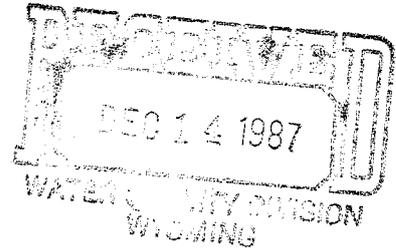
Department of Environmental Quality

Air Quality Division
(307) 672-6457

Water Quality Division
(307) 672-6457

December 10, 1987

Mr. Ron Hilton
Conoco Inc.
851 Werner Court
Casper, Wyoming 82601-1311



RE: Reno Unit and Reno East Road Application,
Johnson County, WQD Number 87-430

Dear Mr. Hilton:

Mr. William L. Brister of your office has notified us to withdraw the above referenced application. We have removed the application from our files and records. All materials submitted to us for this project are being returned to you per Mr. Brister's instructions.

Sincerely,

Susan Fields

Susan Fields
Northeast District Supervisor
Water Quality Division

SF:jj

Enclosures

xc: Norma Coulson



William L. Brister
Division Manager
Production Department

Conoco Inc.
851 Werner Court
Casper, WY 82601-1311
(307) 261-7800

December 7, 1987

Ms. Susan Fields
Wyoming Department of Environmental Quality
2161 Coffeen Avenue - Suite 501
Sheridan, WY 82801



Dear Ms. Fields:

Lease Road Application
Tank Bottom Sediments and Waste Oil
Reno Unit and Reno East Field
Johnson County, Wyoming
FILE: DM-933-CF

We are in receipt of your December 1, 1987 letter denying approval for oiling lease roads in the Reno Area.

Non-approval of this application was based on inappropriate timing (winter months) for practical road oiling. At this time, we wish to withdraw this application and resubmittal will be initiated during the spring of 1988. When the application is again submitted it will, per your request, include laboratory analysis for BTX.

At your convenience, please return the original application to Ron Hilton at this office.

Very truly yours,

J. T. Capps
fw W. L. Brister 12/8/87
Division Manager

RCH/mts

- cc: J. T. Capps
- E. G. Schicktanz
- R. J. Anthony - Linch

Bureau of Land Management
Buffalo Resource Area
Oil & Gas Section
189 North Cedar
Buffalo, WY 82834

file

PERMIT TO CONSTRUCT

PERMIT NO. 87-431
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

Como Bluffs Fish Hatchery Complex

This permit hereby authorizes the applicant:

Wyoming Game and Fish Department
5400 Bishop Boulevard
Cheyenne, WY 82002

to construct, install or modify commercial subsurface wastewater treatment and disposal according to the procedures and conditions of the application number 87-431. The facility is located in NE S34, T23N, R77W 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.

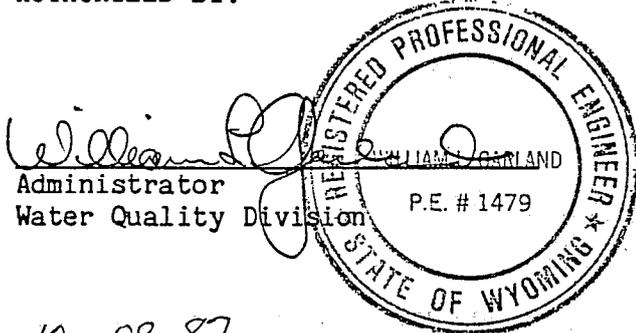
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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



Ralph Wood
Director
Department of Environmental Quality

12-08-87
Date of Issuance

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

Conditions to Permit to Construct #87-431

1. The pump station shall have a back-up pump on-site.
2. The permittee shall notify the Albany County Planning Office, 405 Grand Avenue, Laramie, Wyoming 82070, phone number (307) 721-5188, of the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. At least one working day (24 hours) notice is required prior to backfilling.

cc: Albany County Planning Office



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

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

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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March 7, 1988

Laramie Country Club
P O Box 819
Laramie, WY 82070

RE: Permit to Construct Application Number 87-432 (Reference No. 86-137R)

Gentlemen::

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#87-432) for a permit to construct a wastewater lift station and 2 cell non-discharging evaporative sewage lagoon for the Laramie Country Club in Albany County.

The Water Quality Division has determined that the system meets the minimum design standards except for the thickness of the synthetic liner. A 20 mil liner was installed instead of the 30 mil minimum required in Section 18 Chapter XI, Wyoming Water Quality Rules and Regulations. Neither the applicant nor the engineer made any attempt to justify the reduced thickness.

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 except as noted. 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 wastewater facility as installed meets minimum state specifications, except as noted, and has been approved by the Wyoming Department of Environmental Quality, Water Quality Division.

Laramie Country Club
March 7, 1988
Page 2

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

Sincerely,



William L. Garland
Administrator
Water Quality Division

WLG/TSN/nc

cc: Gertsch/Baker & Associates, 307 Grand Ave., Laramie, WY 82070
Steve Jones, Assistant Attorney General

RF

PERMIT TO CONSTRUCT

PERMIT NO. 87-433
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Whitney Canvon Pipeline Leak Site

This permit hereby authorizes the applicant:

Martin Johnson
P O Box 3385
Tulsa, Oklahoma 74134

to construct, install or modify monitoring wells and test holes according to the procedures and conditions of the application number 87-433. The facility is located in Section 6, NE $\frac{1}{4}$ NE $\frac{1}{4}$, T17N, R119W in the county of Uinta, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

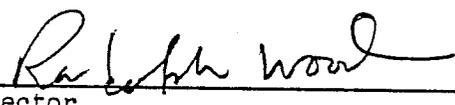
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

12-11-87
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-433

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

Conditions to Permit 87-433 (continued)

8. 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.
9. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in Permit to Construct application number 87-433.
10. 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 should be installed according to normal engineering practice.
11. After the bentonite has been placed in the annular space of the monitoring well, it should be hydrated to insure a proper seal.
12. Depending on the results of subsurface contamination investigation, additional site investigations or remedial measures may be required by the Water Quality Division.

cc: Jake Strohman
Jack Bedessem



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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January 20, 1988

William Brister
Conoco, Inc.
851 Werner Court
Casper, WY 82601-1311

*File w/
permit*

RE: Construction Permit 87-434

Dear Mr. Brister:

In response to your January 8, 1988 letter, we can agree to extend your permit until weather condition permit. However, the extension cannot be left open ended. As required in the permit, please notify this office prior to initiating any road application. At that time, we can determine a termination date.

Sincerely,

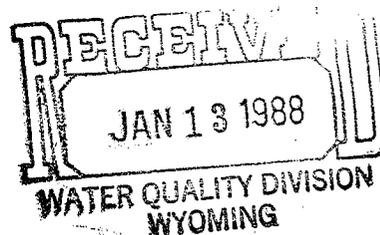
Thomas S. Norman
Southeast District Supervisor
Water Quality Division

TSN/mad

William L. Brister
Division Manager
Production Department

Conoco Inc.
851 Werner Court
Casper, WY 82601-1311
(307) 261-7800

January 8, 1988



Mr. William Garland
Wyoming Department of Environmental Quality
Water Quality Division
Herschler Building
122 W. 25th Street
Cheyenne, WY 82003

RE: Request For Permit Extension
Tank Bottom Sediments
Big Muddy Field
Converse County, Wyoming

Dear Mr. Garland:

On December 15, 1987 Conoco was issued a land application permit (No. 87-434) to apply approximately 600 barrels of tank bottom waste onto our lease roads at our Big Muddy Field. The permit was issued for a period of 60 days. As discussed with Tom Norman, it appears that current weather conditions will not allow us to meet the 60 day limitation. Therefore, we request the permit be extended until weather conditions allow us to adequately apply the tank bottom waste in a manner that is environmentally sound. All conditions as outlined in the permit will be strictly adhered to.

If you have any questions, please feel free to contact Ed Schicktanz at 261-7800.

Thank you for your consideration of this request.

Very truly yours,

A handwritten signature in cursive script that reads "W L Brister".

William L. Brister
Division Manager

EGS/dsh

cc: PRD
K. G. Melder - S. Glenrock
R. J. DeStefano - S. Glenrock

R7



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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January 20, 1988

William Brister
Conoco, Inc.
851 Werner Court
Casper, WY 82601-1311

RE: Construction Permit 87-434

Dear Mr. Brister:

In response to your January 8, 1988 letter, we can agree to extend your permit until weather condition permit. However, the extension cannot be left open ended. As required in the permit, please notify this office prior to initiating any road application. At that time, we can determine a termination date.

Sincerely,

Thomas S. Norman
Southeast District Supervisor
Water Quality Division

TSN/mad

R7
hce

LAND APPLICATION PERMIT

PERMIT NO. 87-434
SEE SPECIAL CONDITIONS

Big Muddy Field Road Applicaiton

This permit hereby authorizes the applicant:

Conoco Inc.
851 Werner Court
Casper, WY 82601-1311

to land apply 600 barrels of tank bottom waste onto lease roads as designated in the application. The application site is located in SE $\frac{1}{4}$, S7, T33N, R76W in the county of Converse, in the State of Wyoming. This permit shall be effective for a period of 60 days (5 years maximum) from the date of issuance of this permit.

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

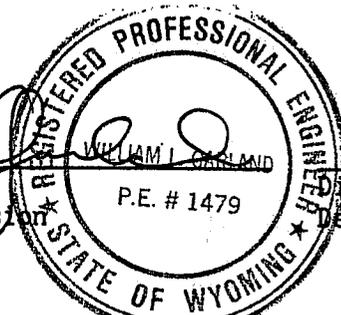
Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way 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 application site at the above location, for the purpose of compliance with the provisions of this permit.

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

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

AUTHORIZED BY:

 *William I. Oakland*
Administrator
Water Quality Division

Rudolph Wood
Director
Department of Environmental Quality

12-15-87
Date of Issuance

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

Conditions to Land Application Permit #87-434

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8 percent for vehicular application or 15 percent for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer (Thomas Norman), 122 West 25th, Herschler Building, 4 West, Cheyenne, Wyoming 82002, phone number 777-7781, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
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 unless roads are sufficiently thawed to allow wastes to be incorporated.

BP
JN

PERMIT TO CONSTRUCT

PERMIT NO. 87-435
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Buffalo Cenex Auto/Truck Stop

This permit hereby authorizes the applicant:

Federated Service Insurance Co.
P O Box 35910
Phoenix, AZ 85069

to construct, install or modify groundwater pollution control/groundwater restoration system according to the procedures and conditions of the application number 87-435. The facility is located in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 26, T51N, R82W in the county of Johnson, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

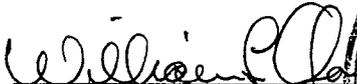
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

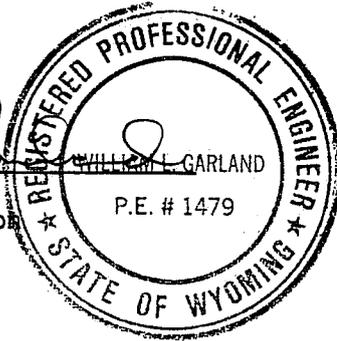
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

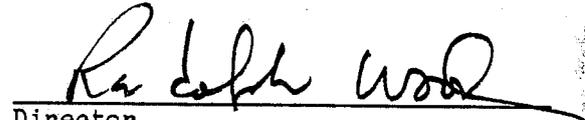
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

1-28-88

Date of Issuance

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

Conditions to Permit to Construct #87-435

1. The recovery/remediation system shall be installed in accordance with the plans and specifications submitted in permit to construct application number 86-037R except as noted within conditions of this permit.
2. Prior to operation of the hydrocarbon recovery system, an approved Operation and Maintenance Manual shall be provided to the Water Quality Division (WQD) and to all operators. The O & M Manual shall contain, at a minimum, a schematic, operations guide, maintenance schedule, troubleshooting guide, discharge requirements and limitations, Department of Environmental Quality (DEQ) contact, provisions in the event of a spill, methods of handling and disposing of hydrocarbon product and contaminated water in a proper manner, and safety requirements.
3. The first 90 days of operation of the system shall be considered a trial period to assess the effectiveness of the recovery system. No later than 30 days after the end of the trial period, a report shall be submitted to the WQD detailing the effectiveness of the system. This shall include information on the radius of influence of the recovery well; the effective "zone of capture"; water level data; groundwater flow rates and directions; chemical monitoring data from monitoring wells, surface points, manholes, and discharge to the sanitary sewer system sufficient to assess the effectiveness; and any other relevant or applicable information.
4. The report referred to in condition 3 shall be reviewed to assess the need for additional requirements to the hydrocarbon recovery system. Provided that the information does not show an adequate radius of influence and zone of capture to intercept all contaminant pathways, additional recovery wells will be required. It is recommended that piezometers be installed if monitoring well water level data does not clearly depict the influence of the recovery well.

Conditions to Permit 87-435 (continued)

5. The permittee shall operate the recovery system continuously unless the DEQ/WQD allows other operational plans. This shall include the following:
 - A. The hydrocarbon recovery system shall be "winterized" to prevent freeze-up and breakdown.
 - B. In the event that excessive concentration of dissolved constituents are detected in the discharge to the sanitary sewer system, the system will be modified to decrease these concentrations to acceptable levels.
6. Under no circumstances shall free petroleum product be pumped to the storm or sanitary sewer. The sanitary sewer shall be inspected daily for the first two weeks of operation to ensure that product is not being pumped to the sewer and that explosive conditions do not exist. If at any time it is noted that product is being pumped to the sewer, that a sheen is noted or that abnormally high or explosive LEL readings are noted, the WQD and the City of Buffalo shall be notified immediately. The sanitary sewer discharge shall then be monitored on a monthly basis at a minimum for the dissolved constituents of benzene, toluene, xylene, total hydrocarbons, lead, and LEL and any odors, sheen or product accumulations noted. This information shall be included in the quarterly status report as listed in condition #7.
7. A status and monitoring report shall be provided to the WQD on a quarterly basis with reports due by the last day of January, April, July, and October. The report shall include at a minimum, volumes pumped of water and hydrocarbon product, downtime and dates, effectiveness of the recovery system, monitoring data for all monitoring points and the recovery well(s) current pumping rate and radius of influence. The monitoring points shall be monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6; surface water samples at locations SW-1, SW-2, SW-3, SW-4, SW-5, and SW-6; and the eastern and western manholes. Samples from these shall be analyzed for benzene, toluene, xylenes, total petroleum hydrocarbons as gasoline, and total petroleum hydrocarbons as diesel fuel. If free product exists on the water surface at any of these locations, the chemical analyses will not be required. The occurrence of free product shall be reported, including thickness measurements if measurable. The monthly discharge analyses for the City of Buffalo shall be included in the report.
8. In the event the system does not operate as planned or effectively recover the petroleum product layer, provisions shall be made for correcting the deficiencies. In any event, the gasoline product and related dissolved constituents shall be recovered and cleaned up in a timely and diligent manner until released by the DEQ/WQD.
9. Copies of any reports submitted to the City of Buffalo shall be provided to the DEQ/WQD.
10. The issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination Study and any future remedial actions which may be required.
11. The permittee shall notify the DEQ/WQD 5 days prior to the exact dates of drilling and/or installation of any facilities associated with this system.
12. The permittee shall notify the division of the name, phone number, and address of the on-site operator of the recovery system.

Conditions to Permit 87-435 (continued)

13. Any spills of product or wastewater in excess of 25 gallons must be reported to the DEQ/WQD immediately. All spills must be cleaned up and physical removal is ordinarily required.
14. In the event that wastewater is to be discharged to the storm sewer or the surface, the NPDES section shall be contacted and all letters of approval or permits required obtained prior to release or discharge.
15. All wells will be abandoned according to procedures specified in Chapter XI, Part 6, Section 70 of the Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the permittee shall fill a plugging record with the WQD.
16. This recovery system shall be installed and made operational within 60 days of the permittee's receipt of this permit.

cc: Twin City Testing Corp., 622 Cromwell Ave., St. Paul, MN 55114

R.F./mc

PERMIT TO CONSTRUCT

PERMIT NO. 87-436
SEE SPECIAL CONDITION

- X New
- Renewal
- Modified

P. C. Transport Holding Tank

This permit hereby authorizes the applicant:

P C Transport
2081 East Bryan Road
Casper, WY 82609

to construct, install or modify holding tank for sump wastes according to the procedures and conditions of the application number 87-436. The facility is located in S32, T34N, R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:


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

Radolph Wood
Director
Department of Environmental Quality

12-15-87
Date of Issuance

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

Condition to Permit to Construct #87-436

The permittee shall notify Ken Hoff, Natrona County Health Department, 1200 East 3rd, Casper, Wyoming 82601-2990, phone number 235-9316, of the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. At least one working day (24 hours) notice is required prior to backfilling.

cc: Ed S. Rate, Jr, Western Construction Inc, P O Box 930, Casper, WY 82602
Ken Hoff

RF 570

PERMIT TO CONSTRUCT

PERMIT NO. 87-437
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Kemmerer Sludge Drying Site

This permit hereby authorizes the applicant:

City of Kemmerer
P O Box 312
Kemmerer, Wyoming 83101

to construct, install or modify groundwater monitoring well according to the procedures and conditions of the application number 87-437. The facility is located in Section 11, T21N, R116W in the county of Lincoln, in the State of Wyoming. This permit shall be effective for a period of 1 (one) year (5 years maximum) from the date of issuance of this permit.

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

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

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

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

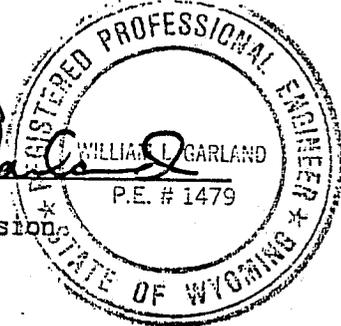
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

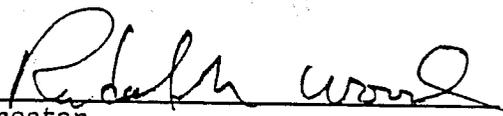
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

12/8/87
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-437

1. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in permit to construct application number 87-437. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. 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 should 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 Water Quality Division.
4. In addition to the well construction information submitted with the permit application, the following items relating to well construction must be addressed when the wells are installed:
 - a. After the bentonite has been placed in the annular space, it should be hydrated to ensure a proper seal;
 - b. The borehole diameter must be at least four inches larger in diameter than the casing diameter. If a four inch diameter well is to be used, the borehole diameter must be at least eight inches;
 - c. The screened interval must extend at least two or three feet above the

Conditions to Permit 87-437 (continued)

highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level;

- d. The monitoring well should be developed by the use of a pump or bailer so that representative groundwater samples can be collected.
5. Prior to groundwater sample collection, a minimum of three casing volumes of water shall be removed from the well. Proper sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with Water Quality Division standard procedures.
6. A copy of the sampling results shall also be provided to the DEQ/Water Quality Division office in Cheyenne, Wyoming. Based on an evaluation the results of the initial sampling, a decision will be made if additional background sampling or monitoring wells will be required.

cc: Jake Strohman, DEQ/WQD
E. J. Fanning, DEQ/WQD
Bill Locke, DEQ/WQD, Lander

2
JN

LAND APPLICATION PERMIT

Permit No. 87-438
SEE SPECIAL CONDITIONS

D-ROAD DUST CONTROL
(Name of Facility)

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

Foster, Inc.

RR 1, Box 264

Belle Fourche, SD 57717

to land apply produced water to roads for dust control. The application site is located in Sections 30, T.51N., R.67W., in the County of Crook, in the State of Wyoming. This permit shall be effective for a period of six (6) months from the date of issuance of this permit.

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

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

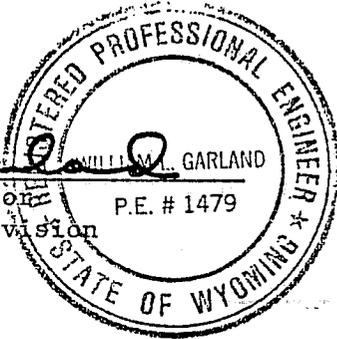
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:

William R. Garland
Administrator
Water Quality Division



Rudolph Worn
Director
Department of Environmental Quality

12/8/87

Date of Issuance

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

LAND APPLICATION STANDARD CONDITIONS

1. Produced water shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated or frozen soil conditions exist.
2. Application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
3. This permit is in effect for a period of six months following the date of issuance. Further activity after that period must be re-permitted.



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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December 3, 1987

L G Hubbard
Conoco Pipeline Company
P O Box 369
Evansville, WY 82636

RE: 87-439 as-built authorization

Dear Mr. Hubbard:

Your submittal for the test holes and monitoring wells installed at the Conoco pipeline release MP 268, has been reviewed and are accepted for record (DEQ/WQD Ref. No. 87-439) with the following conciliation.

1. The extent of contamination to the west of M-3 and M-6 needs to be determined when the excavation to aerate the soils is accomplished.

Since the installation of the boreholes and monitoring wells took place prior to submitting an application to construct them, a "permit to construct" cannot be issued. However, this letter of approval serves essentially the same purpose.

If you have any questions contact me at 777-7781.

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/TP/mad

cc: West Corp.
Bill McKinnell
P O Box
Casper, WY 82602

RF ✓
nc

PERMIT TO CONSTRUCT

PERMIT NO. 87-440
SEE SPECIAL CONDITIONS

New
Renewal
X Modified

Dowell Schlumberger Hydrocarbon Recovery System and Storm Sewer Discharge

This permit hereby authorizes the applicant:

John F. Salzman
Dowell Schlumberger Inc.
311 Culbertson Avenue
Worland, Wyoming 82401

to construct, install or modify hydrocarbon recovery and storm sewer discharge according to the procedures and conditions of the application number 87-440. The facility is located in Section 25, T47N, R93W in the county of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

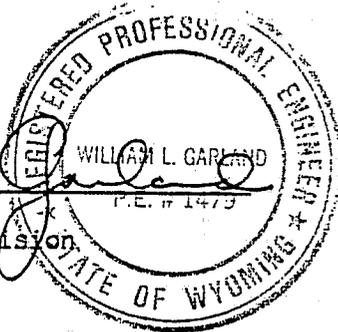
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

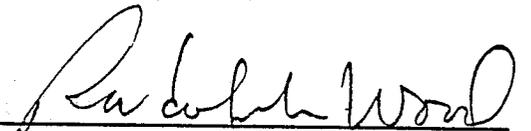
777-7781.

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division


Robert Wood
Director
Department of Environmental Quality

1-14-88

Date of Issuance

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

CONDITIONS FOR PERMIT 87-440

1. Once the hydrocarbon recovery system has been installed, the owner will provide the DEQ/WQD with a report that details the soil logs.
2. The results of any analyses conducted on soil or water removed from this recovery system during the lifetime of the facility shall be provided to the Water Quality Division as soon as they are available.
3. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
4. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
5. This issuance of this permit does not relieve the permittee from obligations to complete an Extent of Contamination Study and any future remedial actions which may be required.
6. The permittee shall notify the DEQ/WQD 5 days prior to the exact dates of drilling and installation.
7. The permittee shall notify the Division of the name, phone number, and address of the on-site operator(s) of the recovery system prior to the operation of the facility.
8. The permittee shall operate the recovery system continuously unless DEQ/WQD allows other operational plans in writing. The Division shall be notified immediately in the event that the hydrocarbon recovery system is not operational for more than 24 hours.

9. In the event that excessive concentrations of dissolved constituents are detected in the effluent, the system will be modified to decrease these concentrations to acceptable levels.
10. The reinjection trench may be left in place for potential future use for the present time. The trench must be properly abandoned prior to closure of the site.
11. Prior to operation of the hydrocarbon recovery system, an Operation and Maintenance Manual shall be provided to the Division and approved. All operators shall be provided a copy of the approved O&M Manual. The O&M Manual shall contain at a minimum a schematic, operations guide, maintenance schedule, trouble shooting guide, discharge requirements and limitations, DEQ contact, provisions in the event of a spill, methods for handling and disposing of gasoline product in a proper manner, and safety requirements.
12. The hydrocarbon recovery system shall be "winterized" to prevent freeze-up and breakdown.
13. A status report shall be provided to the Division on a quarterly basis with reports due by the last day of January, April, July and October. The report shall include at a minimum, volumes pumped of water and hydrocarbon product, downtime and dates, effectiveness of the recovery system, monitoring data for all monitor wells and the recovery well current pumping rate and radius of influence.
14. Any discharge to the surface must first be approved by the NPDES Section of the Division. All NPDES sampling and reporting requirements must be followed.
15. A grab sample of the wastewater effluent must be taken at least once a quarter. The sample of the wastewater effluent must be taken at least once a quarter. The sample must be tested for benzene, toluene, ethylbenzene, and xylenes and the results submitted to the NPDES Section within 30 days of the end of each quarter. The quarters end in March, June, September, and October.
16. Any spills of product or wastewater in excess of 25 gallons must be reported to the DEQ/WQD immediately. All spills must be cleaned up and physical removal is ordinarily required.
17. The entire extent of chlorinated hydrocarbon and toluene contamination shall be defined. At least one additional well shall be installed in reference to the toluene plume. Sampling of this well and sampling for chlorinated hydrocarbons shall be conducted. A report detailing these aspects shall be submitted to the DEQ/WQD Groundwater Section within 30 days of receipt of this permit.

cc: Keith Thompson, Western Water Consultant
Jake Strohmman, DEQ/WQD
Steve Gerber, DEQ/WQD, Lander
Mike Young, DEQ/WQD, Lander

Larry



THE STATE OF WYOMING

Department of Environmental Quality

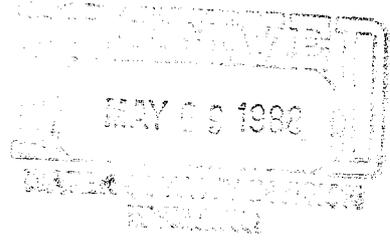
Air Quality Division
(307) 332-3144

Land Quality Division
(307) 332-3047

Solid Waste Management Program
(307) 332-3144

Water Quality Division
(307) 332-3144

May 6, 1988



Conoco, Inc.
ATTN: Bob Fleenor
2 Inverness Drive, East
Suite 202
Englewood, CO 80112

RE: Conoco Pipeline, Bitter Creek Gasoline Spill Clean-Up, Sweetwater County

Dear Mr. Fleenor:

Part 1

Your April 15, 1988 letter which describes the trench burning clean-up program has been reviewed. The DEQ/Water Quality Division concurs with the conclusion that trench burning may be a more effective method of clean-up than the recovery unit considering the site lithology. The application for "Permit to Construct" (87-441) the recovery unit has therefore been cancelled and returned. Find attached.

It appears that the direction of groundwater flow at this site is primarily to the west. Monitoring at the site also indicates that the area of contamination recovered by each trench is very small. This is illustrated by the fact that monitoring well #3 was virtually surrounded by trenches and still maintains approximately one inch of product.

The western most trenches (#1 and #2) were excavated in the fall of 1987. Both of these trenches produced small amounts of gasoline which was burned off. The downgradient or western extent of contamination still needs to be identified.

It is acceptable to determine the extent of contamination using backhoe pits and collecting groundwater samples. If no free product is discovered, the samples should be analyzed for benzene, toluene, ethylbenzene and xylene. It is recommended that another groundwater monitoring well be installed downgradient of the contamination.

The groundwater monitoring wells should be sampled on a quarterly basis for the aforementioned parameters. A report describing the extent of

Bob Fleenor
May 6, 1988
Page Two

contamination should be submitted as soon as possible. The report should include an application for "Permit to Construct" another monitoring well if one is needed.

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

Sincerely,



Jack Bedessem, P.E.
Southwest District Supervisor

JB/jw

cc: Larry Robinson, DEQ/WQD, Cheyenne
Jake Strohman, DEQ/WQD, Cheyenne
Bob Lucht, DEQ/WQD, Cheyenne
Roy Feusner, DEQ/WQD, Cheyenne
File (2)

R 7 ✓
mc

PERMIT TO CONSTRUCT

PERMIT NO. 87-442
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

United Parcel Service

This permit hereby authorizes the applicant:

Lyle Dutton
5020 Ivy Street
Commerce City, CO 80021

to construct, install or modify test holes and monitoring wells according to the procedures and conditions of the application number 87-442. The facility is located in Section 32. SE $\frac{1}{4}$, SE $\frac{1}{4}$, T34N. R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

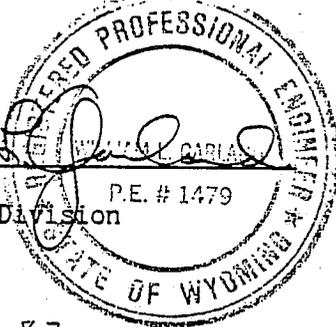
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

AUTHORIZED BY:


Administrator
Water Quality Division
P.E. # 1479



Director
Department of Environmental Quality

12-15-87

Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-442

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

Conditions to Permit 87-442 (continued)

8. 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.
9. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in Permit to Construct application number 87-442.
10. 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 should be installed according to normal engineering practice.
11. After the bentonite has been placed in the annular space of the monitoring well, it should be hydrated to insure a proper seal.
12. Depending on the results of subsurface contamination investigation, additional site investigations or remedial measures may be required by the Water Quality Division.
13. A sampling protocol shall be submitted to the division prior to sampling the wells.

cc: Jake Strohman
West Corporation
P O Box 505
Casper, WY 82602

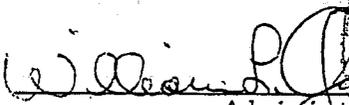
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:


WILLIAM I. GARLAND
PE # 1479
Administrator
Water Quality Division
STATE OF WYOMING
12-29-87
Date of Issuance


Director
Dept. of Environmental Quality

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

CONDITION ON PERMIT

The permittee shall notify representatives of the Sweetwater County Health Department of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address: Albert Emden, Sweetwater County Sanitarian, 205 E. Railroad Avenue, Green River, WY, 82935; 307-875-2611, ext. 278.

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✓
xc
R7

PERMIT TO CONSTRUCT

PERMIT NO. 87-444
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

CAMP GUERNSEY FIRING RANGE

This permit hereby authorizes the applicant:

Wyoming Military Department
Major Delbert Foote, C & FMO
P. O. Box 1709
Cheyenne, Wyoming 82003-1709

to construct, install or modify a Clivus-Multrum toilet according to the procedures and conditions of the application number 87-444. The facility is located in Sections 13, 14 NW $\frac{1}{4}$, NE $\frac{1}{4}$, T26N, R66W 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.

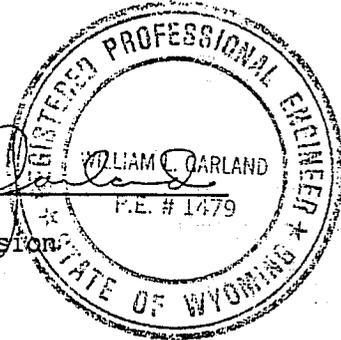
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

William C. Garland
Administrator
Water Quality Division



Ralph Wood
Director
Department of Environmental Quality

2-18-88
Date of Issuance

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

Special Conditions for Permit to Construct 87-444

1. Profile of tile drain trench shall be changed to eliminate slope.
2. Compost shall be disposed of on an approved DEQ site.

PERMIT TO CONSTRUCT

PERMIT NO. 87-445
SEE SPECIAL CONDITIONS

- New
- Renewal
- Modified

Maverick Country Store #135. Sheridan

This permit hereby authorizes the applicant:

John Haws
Maverick Country Stores
P O Box 457
Afton, WY 83110

to construct, install or modify a network of up to 20 monitor wells according to the procedures and conditions of the application number 87-445. The facility is located in E1/2 S22, T56N, R84W in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

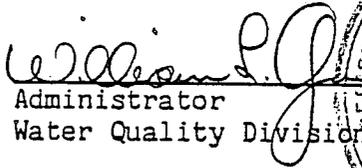
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer,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

777-7781.

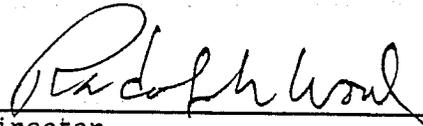
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Department of Environmental Quality

1/4/88
Date of Issuance

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

Conditions to Permit to Construct 87-445.

1. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division.
2. Once the monitor wells have been completed, the owner will provide the Wyoming Department of Environmental Quality, Water Quality Division with a report that details the logs and locations. If the construction specifications were not included in the application or changes were made, they should be included in the report.
3. The results of any analyses conducted on soil or water removed from these wells shall be provided to the department within 15 days of when they become available.
4. All monitor wells and soil borings will be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Water Quality Division Rules and Regulations.
5. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
6. Drilling shall commence within 30 days of issuance of this permit with a final report including analytical data, submitted to the Department of Environmental Quality, Water Quality Division within 60 days of issuance of this permit.

Conditions to Permit 87-445 (continued)

7. Keys for all monitoring wells shall be provided to the department within 30 days of installation. Caps shall be kept locked at all times other than sampling. Any tampering with the monitor wells shall be reported immediately to the division.
8. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required.
9. Department of Environmental Quality, Water Quality Division personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection so that Department of Environmental Quality, Water Quality Division personnel may be on-site if deemed necessary.
10. The requirement in Chapter XI, Part G, Section 65(a) is waived and a seal less than 20 feet is allowed.
11. The groundwater monitoring wells shall be installed in accordance with the plans and specifications submitted in Permit to Construct application number 87-445.
12. After bentonite has been placed in the annular space of the monitoring well, it should be hydrated to insure a proper seal.
13. Depending on the results of subsurface contamination investigation, additional site investigations or remedial measures may be required by the Water Quality Division.
14. The entire extent of contamination will be defined including hydrocarbon product layers and dissolved constituents.
15. Provisions shall be made for the development of all monitor wells prior to sampling.
16. A reasonable time frame for the submittal of a hydrocarbon recovery system and/or dissolved hydrocarbon recovery system application for a permit to construct should be provided to the department as soon as possible. Cleanup shall be implemented in a timely and diligent manner.
17. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing will be cemented into a sloping concrete cap.
18. All monitor wells shall be slotted from the bottom of the hole to 1-2 feet above the highest expected groundwater table.
19. All monitor wells shall be clearly numbered and locked.
20. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
21. A minimum of 2" PVC pipe will be used.
22. The sand pack will be compatible with the perforations.

Conditions to Permit 87-445 (continued)

23. All monitor wells associated with this facility including domestic wells shall be sampled and the wastewater analyzed quarterly for benzene, ethylbenzene, toluene, xylene, total hydrocarbons and lead until other monitoring operations are allowed by the Department of Environmental Quality, Water Quality Division. When product layers exist they are to be measured and the above parameters need not be sampled for. The results of these analyses are due in the Cheyenne office by the last day of the month following the end of each quarter in January, April, July, and October. Samples should be collected during the first week of the last month of each quarter to ensure timely submittal. The first set of quarterly results are due by the last day of January 1988 or 60 days after issuance of the permit.
24. All inventory records for a year prior to the report of a spill shall be submitted to the Department of Environmental Quality/Water Quality Division within 15 days of receipt of this permit. Reconciled inventory records with the volume of the spill specified shall be submitted to the Department of Environmental Quality/Water Quality Division within 30 days of receipt of this permit.

/nc

cc: John Pool, Northern Engineering & Testing, P O Box 30615, Billings, MT 59107

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 87-446

Homesteader Park Sanitary Sewer Extension
(Name of Facility)

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

City of Powell
P.O. Box 1008
Powell, WY 82435

to construct, ~~INSTALL, XXXXXXXXX~~ an 8 inch sewer line

~~FACILITY~~ according to the procedures and conditions of the

application No. 87-446. The facility is located in

R.S. Lot 74, T55N, R99W

in the County of Park,

in the State of Wyoming. This permit shall be effective for a period of two (2)

years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and dur-

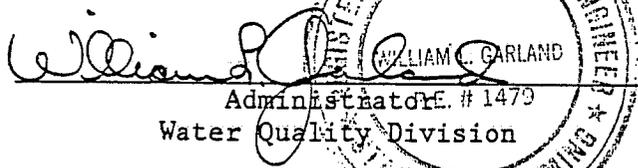
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

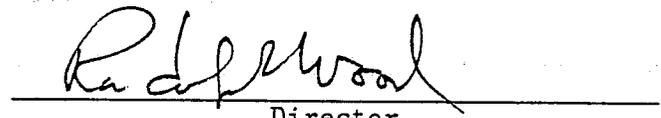
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


WILLIAM C. GARLAND
ADMINISTRATOR # 1479
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

1-5-88
Date of Issuance


Director
Dept. of Environmental Quality

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

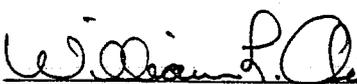
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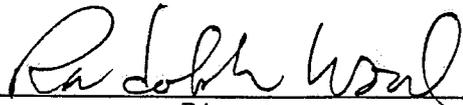
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AUTHORIZED BY:



Administrator P.E. # 1479
Water Quality Division

1-13-88
Date of Issuance



Director
Dept. of Environmental Quality

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

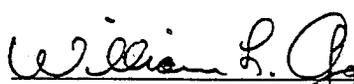
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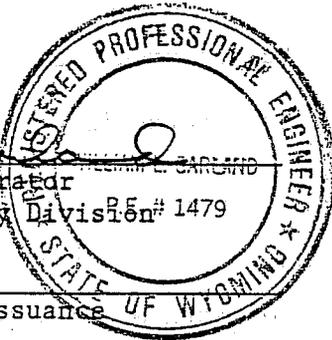
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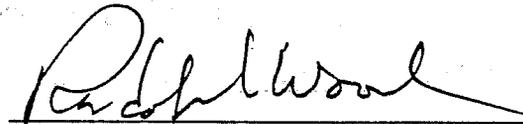
AUTHORIZED BY:



Administrator
Water Quality Division # 1479
1-5-88

Date of Issuance





Director
Dept. of Environmental Quality

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

125

PERMIT TO CONSTRUCT

New

Permit No. 87-449R

Renewal

Modified

MIDWEST RAW WATER TRANSMISSION LINE
(Name of Facility)

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

Town of Midwest

P. O. Box 190

Midwest, Wyoming 82643

to construct, install, or modify a public water supply transmission facility according to the procedures and conditions of the application No. 87-449R. The facility is located in Section 16, T.35N., R. 79W., in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

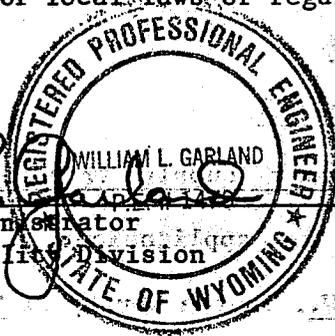
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

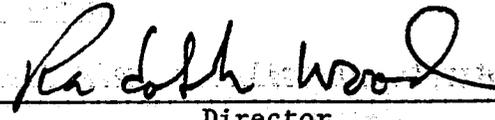
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 501, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:


Adminstrator
Water Quality Division



Director
Department of Environmental Quality

1-12-88

Date of Issuance

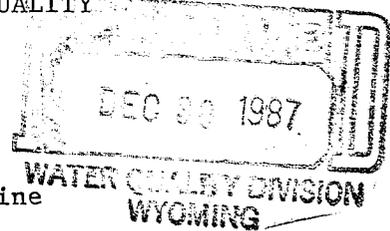
This permit does not supercede the requirements for obtaining any permit from local agencies.

cc: Lawrence M. Besson
Geocivil Engineers, Inc.
505 E. 11th Street
Casper, Wyoming 82601

Norma

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Avenue, Suite 501
Sheridan, Wyoming 82801



PROJECT: Town of Midwest Raw Water Line

ARCHITECT OR ENGINEER: Lawrence M. Besson
GeoCivil Engineers
505 E. 11th Street
Casper, Wyoming 82601

WATER QUALITY DIVISION
REFERENCE NUMBER: 87-449

REVIEWING ENGINEER: *SF* Susan Fields

DATE OF REVIEW: December 28, 1987

ACTION: Not authorized.

COMMENTS:

- 1) The applicant should be the Town of Midwest, not the engineer, and the appropriate information presented on the back of the application form. The application form must be signed by a representative of the Town. Please recomplete the attached application form.
- 2) The valve vaults should be equipped with drains that provide drainage to the surface or to underground gravel sumps.
- 3) Was the need for air relief considered? If so, what is the rationale for not providing it?

Please feel free to call if you have questions or comments.

K7

PERMIT TO CONSTRUCT

PERMIT NO. 87-450
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Dry Creek Waste Evaporation Ponds

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
P O Box 1469
Cheyenne, Wyoming 82003-1469

to construct, install or modify evaporation ponds for commercial wastes according to the procedures and conditions of the application number 87-450. The facility is located in NW $\frac{1}{4}$, Section 6, T13N, R65W 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.

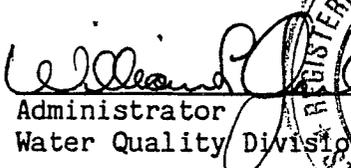
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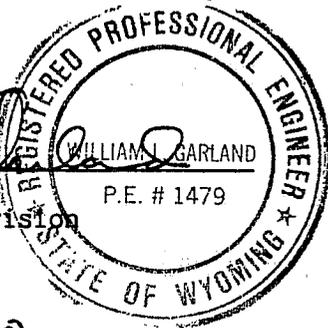
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

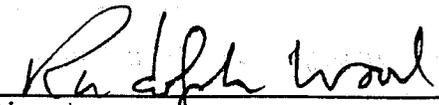
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AUTHORIZED BY:


Administrator
Water Quality Division



REGISTERED PROFESSIONAL ENGINEER
WILLIAM J. GARLAND
P.E. # 1479
STATE OF WYOMING


Director
Department of Environmental Quality

3-22-88
Date of Issuance

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

SPECIAL CONDITIONS FOR PERMIT 87-450

1. A draft operation and maintenance manual shall be submitted at 50% completion and a final operation and maintenance shall be authorized by the Water Quality Division prior to start-up.