

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-251  
SPECIAL CONDITIONS

### Allen Equipment, Inc. Car Dealership Waterline

This permit hereby authorizes the applicant:

Allen Equipment, Inc.  
P.O. Box 368  
Big Piney, WY 83113

to construct a waterline extension (to complete a loop) according to the procedures and conditions of the application number 95-251. The facility is located in NW ¼, S3, T33N, R109W in the county of Sublette, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

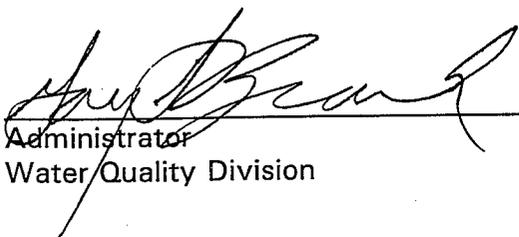
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

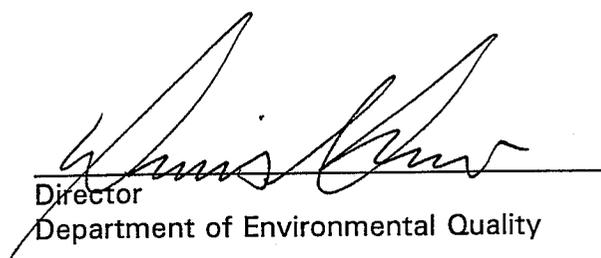
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

6/14/95  
\_\_\_\_\_  
Date of Issuance

RT/b/52486.ltr

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-251
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. No
- B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
- Not Applicable
- V. Documentation of Statement of Basis.
- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Randall Taylor, S.W. Dist. Engineering Supervisor, and completed on 12 June 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RT/b/52486.ltr



THE STATE OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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August 14, 1995

Mr. John Miller  
Dowell Schlumberger Incorporated  
300 Schlumberger Drive  
Sugarland, TX 77478

**RE: Soil Vapor Extraction (SVE) System  
East Side of Former Bulk Plant Facility  
Gillette, WY** *95-252*

Dear Mr. Miller:

The Department of Environmental Quality, Water Quality Division (DEQ/WQD) has completed its review of the referenced application materials. The enclosed Permit to Construct authorizes Dow Schlumberger, Inc. (DSI) to install and operate the referenced SVE system. Comments, requirements, and recommendations are summarized on the enclosed Groundwater Pollution Control (GPC) Program Review Form.

Please contact Don Fischer directly at (307) 672-6457 or me at (307) 777-5449, if you have any questions.

Sincerely,

*Phillip Stump*  
Phillip Stump  
Senior Environmental Analyst  
Water Quality Division

PS/nc 53553.LTR

Enclosures: GPC Program Review Form  
Permit to Construct

xc: Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne  
Don Fischer, NE District Supervisor, WQD/Sheridan

ps: DOW-SCHL\DSI-SPRG.RV9

# PERMIT TO CONSTRUCT

X  
New  
Renewal  
Modified

PERMIT NO. 95-252  
SPECIAL CONDITIONS  
REF/PERMIT #93-424

## DSI Former Bulk Plant- SVE System on East Side

This permit hereby authorizes the applicant:

Dowell Schlumberger Inc.  
300 Schlumberger Drive  
Sugarland, TX 77478

to construct, install or modify Soil Vapor Extraction System according to the procedures and conditions of the application number 95-252. The facility is located in Section 22, T50N, R72W in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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 Pollution Control Program, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

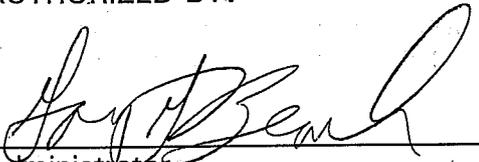
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

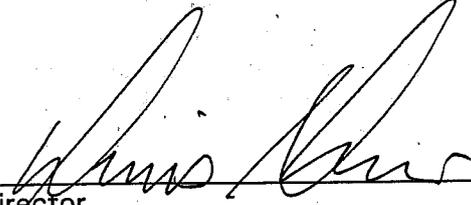
1. of 3 Within (90) days upon completion of installation of the SVE system, a report shall be submitted to DEQ/WQD for review. The report shall summarize the monitoring data and evaluate the effectiveness of the system. At a minimum, the report shall include the following:
  - a. performance results (ROI's, contaminant removal rates, total mass of contaminant removed, etc.);
  - b. projected contaminant removal rates over time;
  - c. problems encountered and responses taken during initial start-up; and
  - d. well completion diagrams for the soil-vapor extraction wells, and any other new wells (include boring logs which illustrate lithology).

The monitoring and subsequent reporting shall adhere to the proposed activities in the application design report (p. 16).

2. of 3 An Operation & Maintenance (O & M) Manual of the facility shall be submitted to WDEQ/WQD for approval approximately 30 days after system start-up. Items to be included in the O & M Manual are as follows:
  - a. Any modifications of the system during initial start-up conditions.
  - b. Specific operating information for each of the components of the system.
  - c. A plan to perform routine scheduled maintenance and any other required maintenance.
  - d. Contingency plans in the event of any equipment failure.
3. of 3 DSI shall continuously operate the SVE System and needs to obtain permission from WDEQ/WQD prior to turning off the system for reason other than for maintenance. If the system is shutdown for more than one week, DSI shall notify WDEQ/WQD, Sheridan, in writing within (15) days.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-15-95  
\_\_\_\_\_  
Date of Issuance

PBS/nc 53552.LTR

cc: Rick Deuell, Wester Water Consultants, Inc.

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**GROUNDWATER SECTION REVIEW OF PROPOSALS/PLANS**

**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION**

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002  
(307) 777-7781

**PROJECT:** DSI Soil Vapor Extraction System  
East Side of Former Bulk Plant  
Gillette, WY

**APPLICANT:** Dowell Schlumberger Incorporated  
300 Schlumberger Drive  
Sugarland, TX 77478  
(713) 275-8498

**APPLICANT'S  
ENGINEER:** Western Water Consultants, Inc.  
611 Skyline Road  
Laramie, WY 82070  
(307) 742-0031

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 95-252**

**TITLE:** Design Report to Accompany Application for Permit to Construct Soil Vapor Extraction System on the East Side of the Former Bulk Plant Facility, Gillette, WY

PLANS     SPECS     PROPOSAL     REPORTS

**ARE THESE LETTERS SUBMITTED PURSUANT TO 'CONDITIONS' TO ANY WDEQ/WQD PERMIT?**

YES     NO

**REVIEWING GEOLOGIST:** Don Fischer, Senior Environmental Analyst

**REVIEWING ENGINEER:** Phillip Stump, Senior Environmental Analyst

**DATE OF LAST REVIEW:**

**DATE OF THIS REVIEW:** August 14, 1995

**ACTION:** AUTHORIZED FOR CONSTRUCTION

**I. SUMMARY OF EXISTING CONTAMINATION:**

Refer to the previous report, "Investigation and Remediation Activities," dated May 15, 1995.

**II. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:**

- A. The WDEQ/WQD normally requires a Permit to Construct for Pilot-Scale Soil Vapor Extraction (SVE) Systems. DSI performed the pilot-scale tests on the east side of the former bulk plant without obtaining permission for the tests. Please consult with WDEQ/WQD prior to implementing any additional pilot-scale remedial alternatives.
- B. The issuance of this permit is contingent upon WDEQ/Air Quality Division's approval of the east side addition to the SVE System.
- C. The pilot-scale test results indicate that soil vapor extraction should be somewhat effective at removing the chlorinated solvent contamination that is absorbed in the sand layer. The dissolved contaminant concentrations should decrease as the contamination in the sand layer is reduced. Absorbed and residual contamination on the soils should volatilize and slowly diffuse into the vapor phase that is removed by operating the SVE system.
- D. WDEQ is concerned with the contamination in the shallow soils. Samples taken from the shallow coal dust indicate high levels of chlorinated solvent and toluene contamination. The clay layer will also be difficult to remediate, since vacuums were not measurable in this layer during the pilot-scale tests. At a future date, DSI shall propose remedial alternatives for returning the shallow contaminated soils to WDEQ quality of standards. WQD Chapter XVII Rules and Regulations can be utilized for proposing clean-up standards for the contaminated soils. WDEQ is aware of Solid and Hazardous Waste Division's (SHWD) objections to the landfarming proposal. Since the State of Wyoming plans to obtain RCRA Primacy in the coming months, alternate and new remedial alternatives may be acceptable to the SHWD.
- E. Permit to Construct number 95-252 is authorized under the conditions listed in the permit. These conditions have been reviewed prior to issuance of the permit by Ms. Susan Fields, Western Water Consultants, Laramie, Wyoming, the consultant for the project and with Mr. John Miller, remediation manager for DSI.

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-253  
SPECIAL CONDITIONS  
REF/PERMIT #

### F.E. Warren AFB - 5th Cavalry Avenue Sanitary Sewer Repair/Renovation

This permit hereby authorizes the applicant:

F.E. Warren Air Force Base  
300 Vesle Drive, Suite 600  
F.E. Warren AFB, Wyoming 82005

to construct, install or modify a sanitary sewer line according to the procedures and conditions of the application number 95-253. The facility is located in Sections 22, 23, 24, 25, 34, 35, and 36 of T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

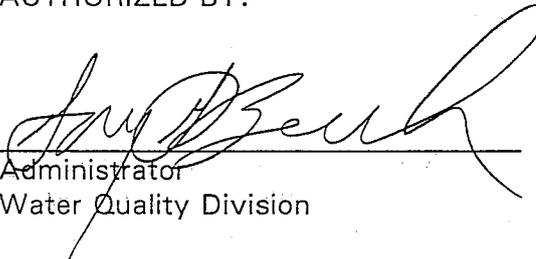
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

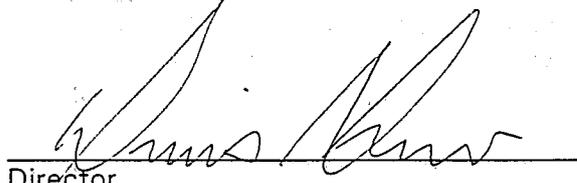
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5. The applicant will provide immediate oral and/or written notice to the SE District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SE District office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5. As-Constructed Plans Required - Because this is a repair/renovation, and since it has been stated by the applicant's engineer that it is impossible to predetermine the exact location and nature of water/sewer conflicts or problems; it shall be necessary to provide as-constructed drawings to the WQD. Therefore, within 60 days of completion of the project, as-constructed drawings shall be submitted to the WQD for review.
- 5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

3-29-96  
\_\_\_\_\_  
Date of Issuance

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-253

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. Deleted

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on March 28, 1996. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RLE/bb/61500.ltr

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-254  
SPECIAL CONDITIONS

### Conoco - Bitter Creek Project Site

This permit hereby authorizes the applicant:

Conoco Inc.  
600 N. Dairy Ashford Road  
Houston, TX 77079-6651

to construct a series of monitor wells and test pits according to the procedures and conditions of the application number 95-254. The facility is located in T18N, R106W, Sec 20, SW 1/4 in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 2 (two) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Field Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 13 Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 13 Monitoring well/piezometer construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations. Monitoring well/piezometer casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells/piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.
3. of 13 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division.
4. of 13 Water which is collected during monitoring well/piezometer development or sampling must be disposed of properly. The applicant must contact the city for authorization to dispose into the local storm sewer, sanitary sewer, wastewater treatment plant, or other facility.
5. of 13 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
6. of 13 After the monitoring wells/piezometers 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. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with city and/or highway department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
7. of 13 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells/piezometers shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
8. of 13 The applicant is responsible for obtaining any permits required by the State Engineer's Office (307-777-7354).
9. of 13 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells/piezometers shall be installed to define the nature and extent of the contamination.
10. of 13 In addition to the well/piezometer construction information submitted with the permit application, when PVC casing is used, the casing shall be installed using threaded joints, couplings, or mechanical connectors without the use of solvents or glues to hold the casing sections together.

11. of 13 All monitor wells/piezometers associated with this facility shall be sampled and the groundwater analyzed for the parameters listed in the Field Activities Plan included with the permit application according to the EPA Method stated in the plan.
12. of 13 DEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor wells/piezometers and sample collection so that DEQ/WQD personnel may be on site if deemed necessary.
13. of 13 Work shall be performed under this permit within the following schedule:
- a. Work shall begin within forty-five (45) days of permit issuance;
  - b. Assessment work shall be completed within ninety (90) days of initiation;
  - c. **A Report of Investigation (ROI)** shall be submitted to the WDEQ/WQD Lander office within sixty (60) days of completion of the SSI work. The ROI shall include the information specified in WDEQ/WQD's "Minimum Content Requirements for a Subsurface Investigation (SSI) Report of Investigation (ROI)".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-13-95  
\_\_\_\_\_  
Date of Issuance

KLE/nc 52833.LTR

cc: Jim Colbert, RETEC, 23 Old Town Square, Suite 250, Fort Collins, SO 80524  
IPS, Cheyenne  
File: 1995 SW District Running Record  
Conoco Bitter Creek Release, Sweetwater

GROUNDWATER POLLUTION CONTROL PROGRAM  
REVIEW COMMENTS:  
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

250 Lincoln Street  
Lander, Wyoming 82520  
(307)332-3144

**PROJECT:** SITE CHARACTERIZATION

**APPLICANT:** Conoco Inc.  
600 N. Dairy Ashford Road  
Houston, TX 77079-6651

**ENGINEER/  
CONSULTANT:** Jim Colbert  
RETEC  
23 Old Town Square  
Suite 250  
Fort Collins, CO 80524

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 95-254

EXISTING       NEW       AS BUILT

**TITLE:** Permit Application to Conduct Additional Assessment Activities, Conoco - Bitter Creek Project Site, Rock Springs, Wyoming

PLANS       SPECS       PROPOSAL       REPORT  
[Check all that APPLY]

**DATE ON PROPOSAL/PLANS/REPORT:** Date stamped June 13, 1995

**IS THIS PROPOSAL SUBMITTED PURSUANT TO:**

'CONDITIONS' TO ANY WQD PERMIT?  NO       YES [PERMIT #]

AN LOV, NOV OR OTHER ENFORCEMENT?  NO       YES [DATE]

**REVIEWING ENGINEER:** \_\_\_\_\_  
Keith L. Estenson

**DATE OF THIS REVIEW:** June 29, 1995

**ACTION:** AUTHORIZED with conditions

## COMMENTS: GROUNDWATER SECTION

### 1.0 SUMMARY OF EXISTING CONTAMINATION:

**1.1 History.** On March 3, 1983 a leak in the Conoco Pioneer Pipeline was discovered at the Bitter Creek crossing seven miles west of Rock Springs, WY. The BLM owns and manages the land of the spill site. The line leak resulted in a 63,000 gallon release of unleaded gasoline. During the next eight years, data was sporadically collected from groundwater monitoring wells, and a portion of free product was collected. Remedial efforts were discussed but not implemented. A WDEQ permit to construct a pilot scale air sparging system for groundwater remediation was issued 12/1/93. Air sparging was found to be ineffective due to the low permeability of the soil.

**1.2 Groundwater.** Twelve monitor wells currently exist on the site. BETX and TPH have been analyzed quarterly. The most recent sampling event shows benzene as high as 3,900 ppb and TPH ranging from 0.24 to 13 ppm. Groundwater depths range from six to ten feet below surface. The Bitter Creek borders the site and is a hydraulic barrier since it flows perennially as a result of discharges from the Rock Springs storm sewer and wastewater treatment plant. The groundwater flow direction roughly parallels the east to west flow of Bitter Creek at a rate of 0.002 feet/foot in the alluvial plain. Slug test data has been collected and hydraulic conductivities range from  $2.65 \times 10^{-4}$  to  $2.38 \times 10^{-3}$  cm/sec. Based on elevated levels of chloride, sulfate, TDS, and boron, the alluvial water-bearing zone is categorized as a Class III aquifer.

**1.3 Soil.** Minimal soil data have been collected in the past. Numerous excavations have recently been regraded and reseeded.

**1.4 Free product.** No free product hydrocarbons were detected during the 1993 and 1994 groundwater sampling events. In March of 1995, 0.01 feet of product was detected in one air sparge monitoring point.

### 2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

**2.1 General.** A Field Activities Plan (FAP) has been submitted as a portion of the Application for Permit to Construct. The FAP has been reviewed to ensure that design standards are met. The FAP describes test pit excavation procedures, monitor well installation procedures, groundwater monitoring procedures, surface water (Bitter Creek) monitor procedures, and decontamination procedures.

**2.2 Test pits.** The test pit excavation and sampling program is designed to characterize the source zone. Test pits are planned for 15 locations.

**2.3 Monitor wells.** The monitor well installations are designed to upgrade the current monitor well network, determine the relationship between water bearing zones and Bitter Creek, and identify constituents of concern. Three new and four replacement monitor wells will be constructed.

**2.4 Monitor program.** Groundwater monitoring will be completed throughout the monitor well network, and surface water monitoring will take place on Bitter Creek. The monitoring is designed to determine the relationship between groundwater and Bitter Creek, the level of constituents of concern, and the extent of dissolved impact to groundwater. Slug tests will also be performed to confirm hydrogeologic parameters.

### 3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

With the data obtained from the investigation, a report of investigation can be completed which needs to include recommendations for further monitoring, and additional investigative work or corrective action. A Report of Investigation is required by condition 13 of 13 in the permit. WDEQ/WQD's guidance titled "Minimum Content

Requirements for a Subsurface Investigation Report of Investigation" is referenced in the condition. This guidance discusses the contents required for a sampling and analysis plan.

Additional conditions are listed in the approved Permit to Construct No. 95-254. The conditions were discussed with Jim Colbert of RETEC (Laurie Zotzky of Conoco was out of the office until 7/5/95) during a 6/30/95 phone conversation.

**END OF REVIEW**

KLE/nc 52833.LTR

xc: File: Jim Colbert, RETEC, 23 Old Town Square, Suite 250, Fort Collins, CO 80524  
Conoco Bitter Creek Release, Sweetwater  
1995 Southwest District Review Forms  
1995 Southwest District Running Record  
Chronological

Application for Permit to Construct (3)  
Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne

KLE: C:\FILES\WP\SITES\CONOCO\BITTRCRK\95-254.REV

PERMIT TO CONSTRUCT

X - New  
Renewal  
Modified

PERMIT NO. 95-255  
SPECIAL CONDITIONS  
REF/PERMIT #

Consolidated Open Mess

This permit hereby authorizes the applicant:

Jarod Hatfield  
300 Vesle Dr. Suite 600  
F.E. Warren AFB, 82005

to modify the existing distribution and collection system to facilitate a building expansion according to the procedures and conditions of the application number 95-255. The facility is located in SW 1/4 Section 25, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

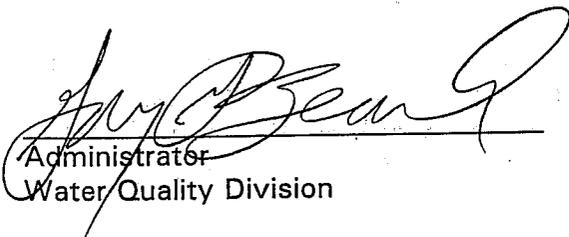
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

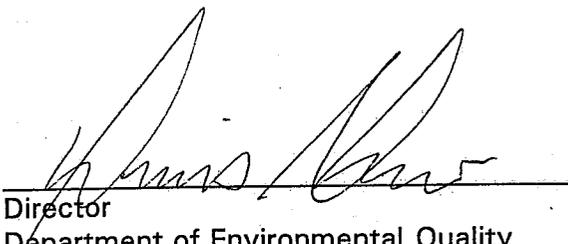
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral and/or written notice to Southeast District Engineer in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Engineer on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 5 The request for a deviation from Chapter XII Section 14(b)(ii) regarding a water main servicing a fire hydrant from one direction be less than 250 feet is granted.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8/14/95  
\_\_\_\_\_  
Date of Issuance

GLS/b/53477.ltr

## STATEMENT OF BASIS

### I. General information.

A. Permit Number: 95-255

### II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

### III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes for Chapter XI, No for Chapter XII

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

Yes for Chapter XII only

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

### IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Chapter XII Section 14(b)(ii) requires that the water main be larger than 6" if it is a deadend main servicing a fire hydrant and is greater than 250 feet long.

B. Briefly state the basis for the deviation.

The applicant has provided a hydraulic analysis which shows that the fire hydrant can meet fire flows and maintain a minimum pressure greater than 20 psi.

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

N/A

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on August 7, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/b/53477.ltr

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Consolidated Open Mess

ENGINEER: Robert D. Herb  
F.E. Warren AFB  
300 Vesle Dr.  
F.E. Warren AFB, WY 82005

APPLICANT: Jarod Hatfield  
300 Vesle Dr. Suite 600  
F.E. Warren AFB, WY 82005

WATER QUALITY REFERENCE NUMBER: 95-255

APPROVING ENGINEER: Gary Steele 

DATE OF REVIEW: June 16, 1995

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

**COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:**

- 1 of 5 Chapter XI of the Water Quality Rules and Regulations require that a Permit Application package includes an engineering design report. The report needs to describe the proposed activity, include flow information, and provide calculations for sizing of lines.
- 2 of 5 The plans need to include a profile for the water line.
- 3 of 5 Chapter XII of the WQRR requires that a fire hydrant serviced by a main in one direction is to be 8", if the line is greater than 250 feet long. If the lead to the proposed fire hydrant is greater than 250 feet, the line needs to be 8" or a deviation and justification needs to be provided.
- 4 of 5 The design report required above needs to include fire flow calculations showing that a minimum pressure of 20 psi can be maintained under all flow conditions.
- 5 of 5 The flow calculations required in the EDR required in #1 above needs to include calculations showing that the 6" sanitary sewer main has the capacity to handle the wastewater from the Mess Hall.

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-256  
SPECIAL CONDITIONS

## Auto Skills Center F.E. Warren AFB

This permit hereby authorizes the applicant:

Jarod Hatfield  
300 Vesle Dr. Suite 600  
F.E. Warren AFB, WY 82005-2793

to install an oil water separator connected to a sanitary sewer service line according to the procedures and conditions of the application number 95-256. The facility is located in SW 1/4 Section 35, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

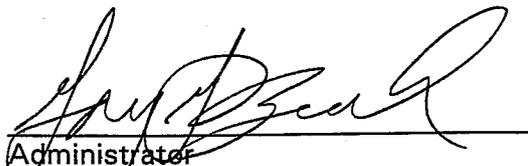
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

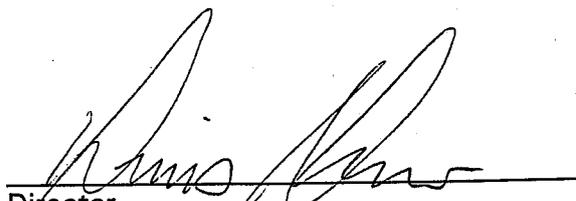
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral and/or written notice to Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 5 An Operation and Maintenance Manual shall be submitted and approved for the oil water separator prior to placing the unit into operation.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

10-12-95  
\_\_\_\_\_  
Date of Issuance

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-256

Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

N/A

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

**CERTIFICATION**

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on October 10, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/nc 54591.LTR

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Auto Skills Center

ENGINEER: Robert D. Herb  
F.E. Warren AFB  
300 Vesle Dr.  
F.E. Warren AFB, WY 82005

APPLICANT: Jarod Hatfield  
300 Vesle Dr. Suite 600  
F.E. Warren AFB, WY 82005

WATER QUALITY REFERENCE NUMBER: 95-256

APPROVING ENGINEER: Gary Steele 

DATE OF REVIEW: August 31, 1995

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

1 of 1 Your response to my review dated August 21, 1995 satisfies all of the requirements of my review except that the letter from the City accepting the wastewater from this facility is required before a construction permit can be issued.

GLS/bb/53873.ltr

# PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-257  
SPECIAL CONDITIONS

## Town of Upton WSW #7 Tie-In & Chlorination Equipment

This permit hereby authorizes the applicant:

Town of Upton  
P.O. Box 203  
Upton, WY 82730  
Attention: Mayor Sam Haptonstall

to construct, install or modify water lines and disinfection equipment according to the procedures and conditions of the application number 95-257. The facility is located in the NW/4 of the SW/4 of Section 25 of T48N R65W in the county of Weston, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District Office, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of activities authorized by this permit.

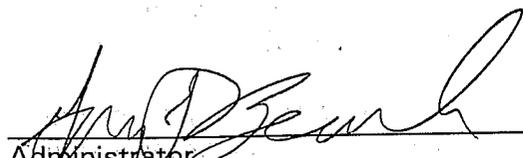
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

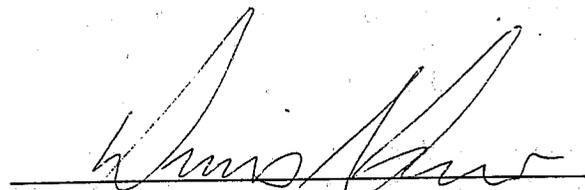
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-11-95  
\_\_\_\_\_  
Date of Issuance

DRM/pr:0/04/95  
b/53483.ltr

cc: Jim Fletcher & Ben Schulze, HPW, POB 727, Newcastle, 82701  
Northeast District File

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-257

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Not Applicable (N/A)

B. Briefly state the basis for the deviation.

N/A

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

VI. N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Donald R. McKenzie, Northeast District Engineer, and completed on August 4, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

DRM/b/53483.ltr

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-258  
SPECIAL CONDITIONS  
REF/PERMIT #91-329

## WDOT Reno Junction Shop Evaporation Pond

This permit hereby authorizes the applicant:

Wyoming Department of Transportation  
P.O. Box 688  
Sheridan, Wyoming 82801  
Attention: Larry Saul

to construct, install or modify an evaporation pond according to the procedures and conditions of the application number 95-258. The facility is located in NW/4 of Section 11, Township 43 North, Range 72 West in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District Office, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

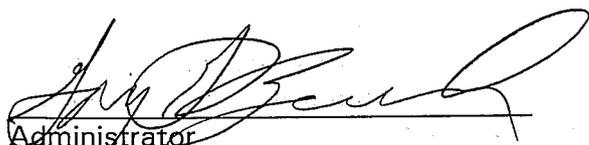
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

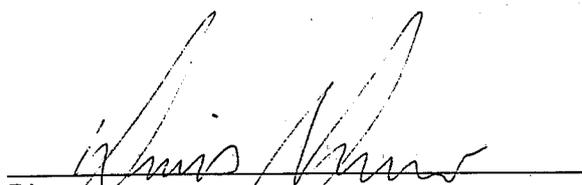
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4. The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

2/5/96  
\_\_\_\_\_  
Date of Issuance

BDM/pr: January 31, 1996

b/60616.ltr

cc: Joni Kachelhoffer, P.O. Box 668, Sheridan, WY 82801  
Jack Hooven, P.O. Box 668, Sheridan, WY 82801

## STATEMENT OF BASIS

### I. General information.

A. Permit Number: 95-258

### II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

### III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

Yes

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

### IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Chapter XI Section 9.(d)(i) requires manholes at all changes in horizontal alignment.

B. Briefly state the basis for the deviation.

The sewer to the evaporation pond requires a change in horizontal alignment due to a conflict with a fueling station. A cleanout is recommended instead of a manhole because of the short sewer runs (120 feet and 160 feet). The applicant owns a high pressure sewer cleaning truck which may be used to clean the lines. Requiring a manhole will not significantly improve the performance of the gravity system and will add project costs.

- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

Not applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Applicable

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

Applicable

- A. Facility will not allow a discharge to groundwater. Briefly describe:

The evaporation pond will be double lined with high density polyethylene (HDPE). A drainage net material will be placed between the liners. If leakage occurs it will be diverted to a monitoring manhole. If leakage occurs, the pond will be taken off line and the liner(s) will be repaired.

- B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

Not applicable

- C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

Not applicable

- D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

Not applicable

- E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

Not applicable

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

- F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

Not applicable

- G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

Drainage net material will be placed between the two (2) HDPE liners. The estimated total annual flow to the pond is 298,328 gallons. The annual evaporation rate is 328,123 gallons. The flow is comprised of truck washdown water, annual precipitation to the pond and runoff from a sand/salt stockpile. The leakage will be directed to a leak detection monitoring manhole. The leak detection manhole will be checked visually on a weekly basis for indications of leakage during the first 30 days of use, and every two (2) weeks for the second 30 days of use. If no leakage is detected during these periods the manhole will be checked on a monthly basis or any time there appears to be an abnormal change of the fluid level in the pond. The leak detection monitoring results will be recorded on the monthly site safety inspection report.

If leakage is detected, samples will be taken from the manhole and from the pond. They will be analyzed for oil and grease, total dissolved solids, sulfates, and chlorides. The sampling parameters may be modified by the Department of Environmental Quality/Water Quality Division. If the samples are similar, leakage from the pond will be assumed. The discharge line will be blocked at the last separation tank. The tanks will be pumped out and be used as interim holding tanks for sump discharge. The pond will be pumped out using tank trucks and the contents disposed at an approved site until repairs can be made. If the samples differ an investigation will be made for leakage in the line from the pond to the manhole or the manhole itself.

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Brian D. Mark, P.E., Senior Environmental Analyst, and completed on January 31, 1996. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



THE STATE OF WYOMING



JIM GERINGER  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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February 13, 1996

Ronald S. Jorgensen, P.E.  
Supervisor, Codes and Environmental Affairs  
Questar Pipeline Company  
P.O. Box 11450  
Salt Lake City, UT 84147

RE: Leroy #11  
Permit Number UIC 95-259  
Uinta County, Wyoming

Dear Mr. Jorgensen:

Enclosed please find the approved underground injection control permit to cover the injection of treated wastewater at this site. This permit is valid for ten years from the date of the last signature on the cover page.

All aspects of this permit become binding as of the date of issuance. Quarterly reports are due within 30 days of the end of each calendar quarter. If this date differs from the quarterly reports due under the Administrative Order on Consent (Docket No. 2711-95), then the Water Quality Division will accept quarterly reports based on whatever schedule is required in that document. Please notify us of the date when such reports are due if the date differs.

I want thank you for your efforts to clean up this spill of Methanol. I fully expect that this remediation system will effectively eliminate the spilled Methanol from the subsurface and produce a clean result relatively quickly.

Sincerely,

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

RFL:ks 60755.ltr

Attachment

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

(X) New  
( ) Modified

Permit Number: 95-259  
Subclass Number: 5X26

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations, Chapter III (March 28, 1988), and Chapter IX (September 4, 1980),

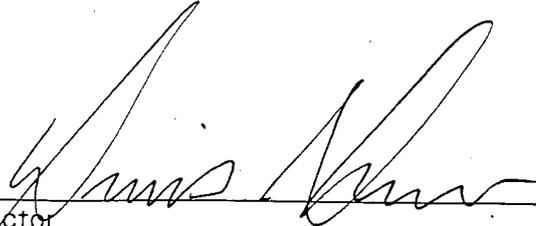
Applicant: Questar Pipeline Company  
P.O. Box 11450  
Salt Lake City, UT 84147  
(801) 530-2518

is authorized to operate the Leroy #11 Methanol Remediation System which is a pump and treat aquifer remediation system with reinjection of the treated groundwater in the NE 1/4 NW 1/4, Section 33, Township 16 North, Range 117 West, of the 6th Principal Meridian; according to the procedures and conditions of application # 95-259 and requirements and other conditions of this permit as contained on pages 1 through 8.

This permit shall become effective on date of issuance.

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002  
Phone: (307) 777-7781

2-15-96  
Date

  
\_\_\_\_\_  
Director  
Department of Environmental Quality  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002

2-15-96  
Date

## A. DISCHARGE ZONE AND AREA OF REVIEW

### Discharge Zone:

This injection well is authorized to inject into the Alluvial Aquifer along Muddy Creek and indirectly to the Wasatch Formation which are found at this location from the surface to 75 feet below the ground surface.

### Area of Review

The facility authorized by this permit is located in:

Township 16 North, Range 117 West, 6th Principal Meridian  
Section 33: NE $\frac{1}{4}$ NW $\frac{1}{4}$

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

Township 16 North, Range 117 West, 6th Principal Meridian  
Section 28: S $\frac{1}{2}$   
Section 33: N $\frac{1}{2}$

## B. GROUNDWATER CLASSIFICATION

The groundwater in the Alluvial Aquifer along Muddy Creek and the upper portions of the Wasatch Formation is classified as class III under Chapter VIII of Wyoming Water Quality Rules and Regulations (April 9, 1980). This classification was made because:

- a. The groundwater in this formation meets all of the quality standards set forth in Chapter VIII for class III water;

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

## C. AUTHORIZED OPERATIONS

The permittee is authorized to inject 343 barrels per day, (14,400 gallons per day) of wastewater as described: Groundwater contaminated with spilled Methanol after treatment in a biological reactor. During treatment of the groundwater in the biological reactor, the permittee is authorized to add ammonium nitrate in any concentration desired in order to promote the biological breakdown of the methanol.

The permittee is authorized to inject at a pressure of no more than atmospheric pressure as measured at the wellhead.

The permittee is authorized to culture and inject naturally occurring facilitative bacteria to an approximate concentration of  $10^9$  cells/ml. The permittee is also authorized to inject up to 10 mg/l of Orthophosphate into the receiver for the purpose of supporting the bacteria in-situ during the restoration process. Addition of Orthophosphate was not requested in the application, but is authorized. In the event that Orthophosphate is added, total phosphate shall be added to the groundwater and effluent monitoring list.

The permittee is authorized to drill up to 50 individual wells for the purpose of implementing a bioremediation program. The permittee shall provide to the WQD the exact location, accurate to the nearest one second of latitude and longitude for each well drilled, whether the well is an injection, production, or monitor well. The permittee shall also provide to WQD the as-built construction details

of each well. Each well shall incorporate a surface seal outside of the casing to allow no uncontrolled contaminants to enter the well.

**D. ENVIRONMENTAL MONITORING PROGRAM FOR GROUNDWATERS OF THE STATE**

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 3 years after closure of the facility.
3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The name(s) of individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. Names of individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
4. The groundwater in the receiving formation shall be sampled and analyzed according to the following schedule:

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (TRV)*
B-1, B-3, B-6, B-8, B-9, B-10, B-11, B-13	Quarterly	EPA Method 8000	Methanol	5.6
		EPA Method 350.1	Ammonia as N	.50
		EPA Method 353.2	Nitrate as N	10.0
	Weekly	Probe	Static Water Level	

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

The above Target Restoration Value (TRV) is the level to which this aquifer is to be restored at the conclusion of the remedial effort. Exceedance of this value is not a violation of this permit and shall not require corrective action other than the actions covered by this permit. Target Restoration Values shall be met prior to release of this site, except if an alternative methanol concentration is approved by the Wyoming Department of Environmental Quality (WDEQ) pursuant to Section VII.F.2 of the Administrative Order on Consent for the Leroy Well #11 remedial project, or an alternative ammonia as N or Nitrate as N concentration is approved by WQD based on an overriding technical reason that shows that the TRV value(s) cannot be met.

In addition to the above Target Restoration Values, the following Upper Control Limits (UCL) shall apply. Exceedance of any Upper Control Limit is not a violation of this permit, but shall require corrective action on the part of the permittee. Failure to take correction action after exceeding a UCL is a violation of this permit.

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL)*
B-9, B-10, B-13	Quarterly	EPA Method 8000	Methanol	5.6
		EPA Method 350.3	Ammonia as N	.50
		EPA Method 353.2	Nitrate as N	10.0

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

If the above UCL is exceeded at any time, the permittee shall immediately propose and implement a corrective action plan. After receiving approval of the plan by the Administrator the corrective action plan shall become a part of this permit. The corrective action plan required shall include the installation of sufficient additional monitor wells down gradient to insure that the contaminant migration is fully defined.

Questar shall address the issue of how deep this contamination has travelled by completing at least one well within the contaminated area, near the base of the contaminated sand. The screened interval below the seal should be not more than 5 feet and the well should be sealed completely to the surface with bentonite.

#### E. REQUIREMENTS FOR MONITORING THE DISCHARGE

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

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL)*
Quarterly	EPA Method 8000	Methanol	5.6
	EPA Method 239.2	Lead	.25

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. The above samples are to be taken from the sampling point in the drainfield, labeled as well B-12 in the permit application. Exceedance of this value is a violation of this permit and shall require corrective action. In this case corrective action means to correct whatever problems there are in the treatment system which are causing Methanol to bypass the treatment.

The permittee is also required to meter the volume of water discharged and record these values weekly.

## F. RECORDS AND REPORTS

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.
2. The permittee shall give notice to the administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.
4. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state.
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable groundwaters of the state.

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

5. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 4. above.
6. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the administrator, it shall promptly submit such facts or information.
7. The permittee shall retain all records concerning the nature and composition of injected fluids until 5 years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
8. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a groundwater pollution control permit has been issued by the department for the proposed operation, and:
  - a. Well construction is complete and the permittee has submitted notice of completion of construction to the administrator, and
  - b. The administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the administrator of intent to inspect or

otherwise review the facility within 13 days of the notice of a. above, in which case prior inspection or review is waived.

9. The quarterly report of operations for this/these well(s) shall include the following information:
  - a. Any permit exceedances within the quarter.
  - b. The analytical results for sampling for the injected water and any groundwater sampling results required under Sections D and E.
  - c. Quarterly reports are due in the Cheyenne office of the Water Quality Division no later than 30 days after the end of each calendar quarter.
10. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the administrator within 60 days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

## G. GENERAL PERMIT CONDITIONS

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

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

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

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued. A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the council. This permit can be terminated by authority of the administrator for one or more permit violations.

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

Any permit noncompliance constitutes a violation of the permit.

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

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

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.

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

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

## H. ABANDONMENT

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

The permittee shall operate the remediation system covered by this permit until one of three conditions has been met:

- a. All Target Restoration Values have been met; or
- b. Target Restoration Values have not been met, but the an alternative methanol concentration is approved by the Wyoming Department of Environmental Quality (WDEQ) pursuant to Section VII.F.2 of the Administrative Order on Consent for the Leroy Well #11 remedial project, or an alternative ammonia as N or Nitrate as N concentration is approved by WQD based on an overriding technical reason that shows that the TRV value(s) cannot be met.

In the event that all Upper Control Limits placed on the discharge have been met and Target Restoration Values have been met, then all subsurface components of this system may be abandoned in place. If these conditions have not been met, the Water Quality Division reserves the right to require removal of the subsurface portions of this system.

## I. DUTIES OF THE PERMITTEE

It is a duty of the permittee to:

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

## J. OPERATIONAL REQUIREMENTS

On at least a weekly basis, the permittee shall verify that all components of the system covered by this permit are operational. The permittee shall record the date and time and name of individual who verified these facts, the amount of water discharged since the last inspection of the system, and the static water levels in the wells required to be monitored by Section D.

The permittee shall submit a modified "Operation and Maintenance Manual" (O&M Manual) to the Water Quality Division for approval within 90 days of construction of this system. This manual shall contain the names and addresses of company and agency contact persons, procedures for routine maintenance of all components of the system, emergency services contacts in case of accident, and detailed operations instructions for the system. After approval of this O&M Manual, the permittee shall abide by all requirements of that manual. Failure to provide proper maintenance of the system according to the approved O&M Manual is a violation of this permit.

The system covered by this permit shall be identified with a permanent sign showing the name of the permittee, the permit number, contact names and telephone numbers for the company and the agency.

## K. SIGNATORIES REQUIREMENT

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

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

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

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

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

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

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

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

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



THE STATE OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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July 30, 1995

Mr. Roger Nelson  
Jacobs Engineering Group, Inc.  
2155 Louisiana N.E.  
Albuquerque, NM 87110

RE: Groundwater Review of the proposed Scope of Work, River UMTRA Site and Permit to Construct # 95-260

Dear Mr. Nelson:

Enclosed please find the Groundwater Pollution Control Program Review of the above referenced report and the approved Wyoming Department of Environmental Quality Permit to Construct.

If you have any questions, please call me at the above listed number.

Sincerely,

Don Newton, P.G.  
Hydrogeologist  
Water Quality Division/Northwest District

DN/dn/nc 52831.LTR  
enc: GPC Groundwater Review Form  
Permit to Construct 95-260

xc: Kevin Frederick, GPC Program Supervisor, WQD/Cheyenne  
File: Riverton UMTRA, Fremont Co.  
File: 1995 Northwest District GPC Reviews

# PERMIT TO CONSTRUCT

New  
Renewal  
Modified

PERMIT NO. 95-260  
SPECIAL CONDITIONS

## UMTRA Project, Riverton

This permit hereby authorizes the applicant:

U.S. Department of Energy, Uranium Mill Tailings Remedial Action Project  
Environmental Restoration, P.O. Box 5400  
Albuquerque, NM 87185-5400

to construct a series of monitoring wells and aquifer test wells according to the procedures and conditions of the application number 95-260. The facility is located in NW 1/4, SW 1/4 of Section 10, T1S, R4E in the county of Fremont, in the State of Wyoming. This permit shall be effective for a period of five (5) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Don Newton, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

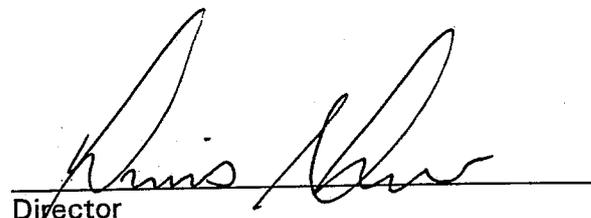
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 4 Monitoring well/piezometer construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations. Monitoring well/piezometer casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells/piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.
3. of 4 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
4. of 4 After the monitoring wells/piezometers 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. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with city and/or highway department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-13-95  
\_\_\_\_\_  
Date of Issuance

DN/dn/nc 52831.LTR  
cc: File: Riverton UMTRA



## COMMENTS: GROUNDWATER SECTION

### 1.0 SUMMARY OF EXISTING CONTAMINATION:

The sulfuric acid and alkaline leach processes for uranium resulted in groundwater impacts. Groundwater contamination existing across the site, and off-site, with elevated levels of arsenic, manganese, molybdenum, nickel, sulfate, uranium and vanadium are above identified background levels. Several radioactive progeny of the uranium series, including lead-210, polonium-210 and thorium-230 are present.

### 2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

- 2.1 **Site History.** The site previously included a uranium mill and tailings pile. The site operated from 1958 to mid-1963. A sulfuric acid plant, which manufactured the acid used in one of the leaching processes, was also located on-site. Between 1988 and 1990 the mill was demolished and 1.8 million yd<sup>3</sup> of tailings and contaminated soil were disposed of off-site in the Gas Hills.
- 2.2 **Subsurface Investigation.** Groundwater monitoring began in the mid-1970s. Most of the wells from the pre-1990 investigations were decommissioned during the previous remedial action. Currently, there are 26 available monitoring wells for sampling. The contaminant plumes have been defined.
- 2.3 **Additional Investigation.** The proposed additional monitoring, tracer and aquifer test wells are designed to evaluate the identified remedial alternative of *natural flushing*. Additional information on background conditions and specific aquifer characteristics for attenuation and degradation is being sought in this additional investigative effort.

### 3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

- 3.1 **Requirements.** The support documentation submitted with the Application for Permit to Construct has adequately defined the construction of the wells
- 3.2 **Disposal of Contaminated Water.** The issue of the disposal of the contaminated water has not been resolved. Jacobs Engineering Group, consultants for the DOE, has proposed to spray irrigate the aquifer test water, estimated at 16,000 gallons, over a ½ acre area within the site boundaries. **This has not been approved.** Jacobs' representative, Dave Tarbox, has agreed to containerize well cuttings and water generated during the drilling and development of the monitoring wells until disposal approval is received. Prior to conducting the aquifer tests (scheduled for August 1995), written approval for the disposal of the development water must be granted by this office. This does not include wells identified as back-ground wells, not located in the contaminant plume.

END OF REVIEW

DN/nc 52831.LTR

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# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-261  
SPECIAL CONDITIONS

## Newcastle Aquatic Center W&S Extensions

This permit hereby authorizes the applicant:

City of Newcastle  
10 West Warwick  
Newcastle, WY 82701  
Attention: Mr. Larry Price

to construct, install or modify water and sewer lines according to the procedures and conditions of the application number 95-261. The facility is located in the SW/4 of Section 29 of Township 45 North Range 61 West in the county of Weston, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District Office, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

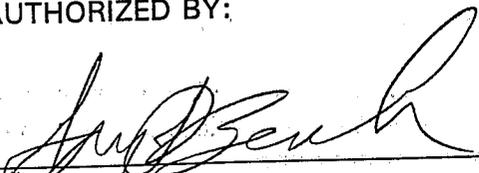
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

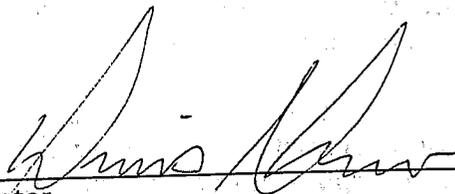
The permittee shall construct and operate the permitted facility in accordance with the state representations, procedures, terms and conditions of the permit application, supporting documents, permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-11-95  
\_\_\_\_\_  
Date of Issuance

DRM/pr:8/04/95  
b/53484.ltr

cc: Rick Coldsnow, TSP Two, POB 1208, Gillette, WY, 82717  
Northeast District File

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-261
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- Not Applicable (N/A)
- B. Briefly state the basis for the deviation.
- N/A
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
- N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of Section VI. from the Statement of Basis.)

N/A

VI. N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Donald R. McKenzie, Northeast District Engineering Supervisor, and completed on August 4, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

DRM/b/53484.ltr

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-263  
SPECIAL CONDITIONS

## Sparrow Hawk Subdivision - Summit Development

This permit hereby authorizes the applicant:

Garland Enterprises  
1508 Hillcrest Drive  
Sheridan, WY 82801  
Attention: Mr. William H. Garland

to construct, install or modify water and sewer lines according to the procedures and conditions of the application number 95-263. The facility is located in the SE/4 of the SW/4 of Section 28 and the NE/4 of the NW/4 of Section 33 of Township 56 North Range 84 West in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of one and one-half (1-1/2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District Office, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

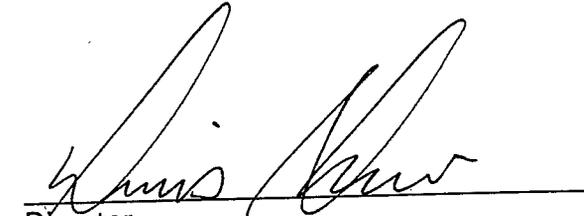
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
Administrator  
Water Quality Division

6/26/95  
Date of Issuance

  
Director  
Department of Environmental Quality

DRM/pr:06/19/95 - /jn - 52658.ltr

cc: Tom Barker, CER, 237 N. Main, Suite 1, Sheridan  
Northeast District File

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-263
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- Not Applicable (N/A)
- B. Briefly state the basis for the deviation.
- N/A
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
- N/A

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of Section VI. from the Statement of Basis.)

N/A

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Donald R. McKenzie, Northeast District Engineering Supervisor, and completed on June 19, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51933.DOC

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

# PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-264R  
SPECIAL CONDITIONS

Buffalo Bill State Park Recreation Area

North Shore Bay Campground Trailer Dump Station

This permit hereby authorizes the applicant:

Bureau of Reclamation  
P.O. Box 1630  
Mills, WY 82644

to construct a trailer dump station with septic tank and leach field according to the procedures and conditions of the application number 95-264R. The facility is located in SE ¼ Section 4, T52N, R103W in the county of Park, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

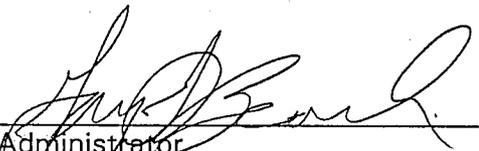
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

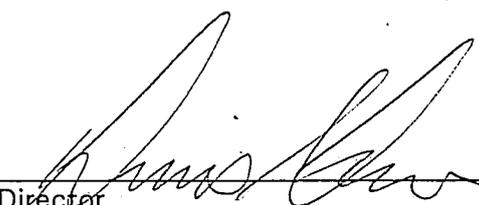
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of a constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-28-95  
Date of Issuance

JH/jyi  
bb/53653.ltr

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-264R
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
- Not
- V. Documentation of Statement of Basis.
- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Supervisor, and completed on August 17, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JH/bb/53653.ltr

RF

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

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: Buffalo Bill State Park - North Shore Trailer Dump

ENGINEER: Larry Schoessler, P.E. 6556

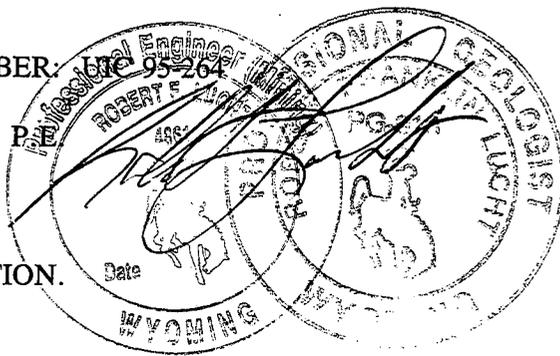
APPLICANT: U.S. Bureau of Reclamation

WATER QUALITY DIVISION REFERENCE NUMBER: WQC 95-264

REVIEWING ENGINEER: ROBERT F. LUCHT, P.E.

DATE OF REVIEW: July 11, 1995

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.



COMMENTS:

1. Chapter XI, Section 39(a)(ii)(B) requires that septic tanks have a minimum retention time of 36 hours. The plan calls for a 3,000 gallon septic tank to handle 2,400 gallons per day. This is not acceptable, the minimum septic tank size must be 3,600 gallons.
2. Page 6-8 of the specification package requires that this system be fully operational before May 15, 1995. Has this facility already been constructed without a permit?
3. Sheet 1458-601-136 shows the sewer lines, soil absorption system, septic tank, and potable water supply line to the water tap. It appears from this drawing that both the potable water and the non-potable water are both connected to the same existing potable water source. The plan does not show any form of backflow prevented from the non-potable rinse hose. What provisions have been made to prevent cross contamination of the public water supply? How are the points where the water and sewer lines cross to be constructed? A detail should be included which shows the horizontal and vertical separation between these lines and any protective measures to be taken such as concrete encasing, pipe sleeves, etc.
4. Publicly owned wastewater facilities with a capacity over 2,000 gallons per day must have a certified wastewater operator. Enclosed please find a copy of Chapter V regulations which require this, a copy of page 3 of the guidelines to Chapter V, and a "Facility Configuration Form". When this permit is issued, please return the form to Louise Emerson, Water Quality Division, 122 West 25th Street, Cheyenne, WY 82002.

Review of Plans & Specs - 95-264

July 10, 1995

Page 2

5. Chapter III, Section 15 requires that a groundwater study be conducted. How was the site chosen for this leachfield? Chapter XI, Section 36(c)(iii) requires that the maximum height of the groundwater mound be estimated by the engineer. No such calculation was included.
6. What types of chemicals are used in camping trailers for odor control and disinfection? Please provide a list of these chemicals so that their impacts on the system may be properly addressed by the permit.

RL/nc 53052.LTR

# PERMIT TO CONSTRUCT

< New  
- Renewal  
- Modified

PERMIT NO. 95-265  
SPECIAL CONDITIONS

## Wyoming Boys' School Water and Sewer System Improvements

This permit hereby authorizes the applicant:

Wyoming Boys' School  
1550 Highway 20 South  
Worland, Wyoming 82401

to construct new water and sewer lines according to the procedures and conditions of the application number 95-265. The facility is located in Sec 15, T46N, R93W in the county of Washakie, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

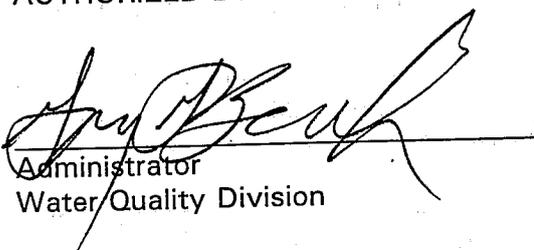
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

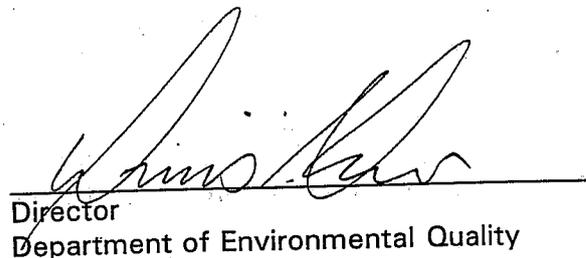
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8/30/95  
\_\_\_\_\_  
Date of Issuance

MDR/bb/53739.ltr

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-265

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not Applicable

---

<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

Not Applicable

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Mike Roberts, Northwest District Engineer, and completed on 22 August 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

MDR/bb/53739.ltr

# PERMIT TO CONSTRUCT

New  
Renewal  
Modified

PERMIT NO. 95-266  
SPECIAL CONDITIONS

## Wyoming Boys' School Water System Improvements; 300,000 gal Elevated Tank

This permit hereby authorizes the applicant:

Wyoming Boys' School  
1550 Highway 20 South  
Worland, Wyoming 82401

to construct a 300,000 gallon elevated water storage tank, a water main extension along with appurtenances and other system equipment according to the procedures and conditions of the application number 95-266R. The facility is located in Sec. 15, T46N, R93W in the county of Washakie, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

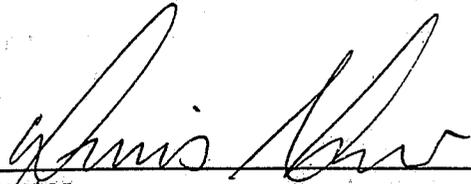
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

11-24-95  
\_\_\_\_\_  
Date of Issuance

MDR/ks 55265.ltr

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-266R
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. No
- B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- Not Applicable
- B. Briefly state the basis for the deviation.
- Not Applicable
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
- Not Applicable

✓. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Michael D. Roberts, P. E., Northwest District Engineer, and completed on 20 November 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

MDR/ks 55265.ltr

# PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-267  
SPECIAL CONDITIONS

## Saddle Butte Water System

This permit hereby authorizes the applicant:

Saddle Butte Landowners Association  
P.O. Box 3948  
Jackson, WY 83001

to install a 4 inch diameter water main and an 8,000 gallon water storage tank according to the procedures and conditions of the application number 95-267. The facility is located in SE¼ Section 28, T41N, R116W in the county of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

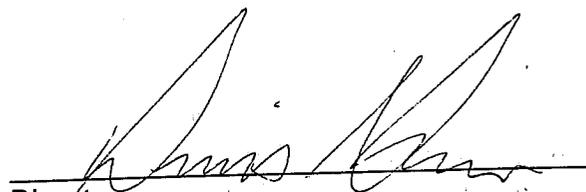
The permittee shall construct and operate the permitted facility in accordance with the state representations, procedures, terms and conditions of the permit application, supporting documents, and the permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 5 The applicant will notify the Lander District Office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 5 The applicant will provide immediate oral and/or written notice to the Lander District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Lander District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis."
5. of 5 The engineer must submit the 8,000 gallon fiberglass water storage tank certified shop drawing to this office along with the Certification of Completion form.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-11-95  
\_\_\_\_\_  
Date of Issuance

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-267

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not

V. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest Supervisor, and completed on August 7, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JH/b/53493.ltr

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-268R  
SPECIAL CONDITIONS

## Longhorn Subdivision

This permit hereby authorizes the applicant:

Park County School District No. 16  
P.O. Box 218  
Meeteetse, WY 82433

to construct about 680 feet of sewer main and 490 feet of water main according to the procedures and conditions of the application number 95-268R. The facility is located in SW¼ NW¼ Section 9, T48N, R100W in the county of Park, in the State of Wyoming. This permit shall be effective for a period of two (2) from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

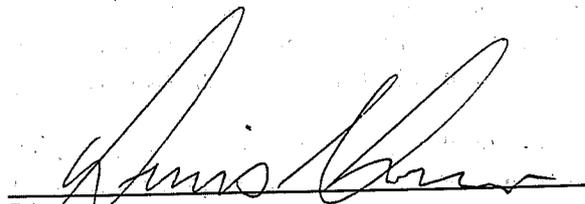
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-2-95  
\_\_\_\_\_  
Date of Issuance

JH/jyi/nc 53298.LTR

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-268R
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- No
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- Yes
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- Chapter XII, Section 14 b(ii), requires the maximum length of 6 inch pipe serving a fire hydrant from one direction to be 250 feet. This permit allows 401 feet.
- B. Briefly state the basis for the deviation.
- The network analysis shows sufficient residual pressure of greater than 20 psi at the 500 gpm fire flow.
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
- n/a

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not applicable

- VI. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Supervisor, and completed on July 26, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JH/nc 53298.LTR

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-269  
SPECIAL CONDITIONS

### P.A.B. Widener (Residential Septic System)

This permit hereby authorizes the applicant:

P.A.B. Widener

Saratoga, WY 82331

to install a residential septic system which services a building with a single bedroom and bathroom according to the procedures and conditions of the application number 95-269. The facility is located in NE 1/4 Section 10, T17N, R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

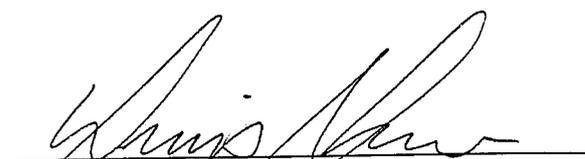
The permittee shall construct and operate the permitted facility in accordance with the state laws, regulations, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-12-95  
Date of Issuance

GLS/nc 52860.LTR

cc: Nina Adams, Carbon County Planner

STATEMENT OF BASIS

General information.

A. Permit Number: 95-269

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

VI. A. Facility will not allow a discharge to groundwater. Briefly describe:

N/A

---

<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on July 7, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/nc 52860.LTR

# PERMIT TO CONSTRUCT

New  
Renewal  
△ Modified

PERMIT NO. 95-270  
SPECIAL CONDITIONS  
REF/PERMIT #95-162

## Burns Brothers Travel Stop, Hillsdale (Land Application System)

This permit hereby authorizes the applicant:

Burns Brothers Inc.  
516 SE Morrison, Suite 1200  
Portland, OR 97214

to modify a proposed land application sprinkler system according to the procedures and conditions of the application number 95-270. The facility is located in SW 1/4, Section 23, T14N, R64W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

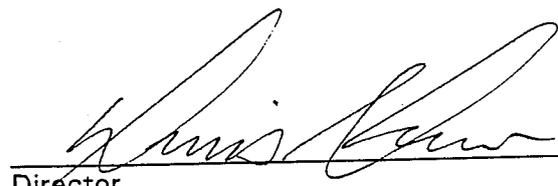
The permittee shall construct and operate the permitted facility in accordance with the state, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral and/or written notice to Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 5 This permit is for modification of the sprinkler system proposed in Permit to Construct 95-162 only. All conditions of Permit to Construct 95-162 shall be adhered to.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-12-95  
\_\_\_\_\_  
Date of Issuance

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-270
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- N/A
- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
- N/A
- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

N/A

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on July 6, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/nc 52869.LTR

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-271  
SPECIAL CONDITIONS

## Zych Wastewater Disposal Facility

This permit hereby authorizes the applicant:

Joseph Zych  
Box 75E Lucerne Route  
Thermopolis, WY 82443

to construct a septic tank/leach field to serve a 3 bedroom residence according to the procedures and conditions of the application number 95-271. The facility is located in SE1/4 SE1/4 Sec. 33, T44N, R94W in the county of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

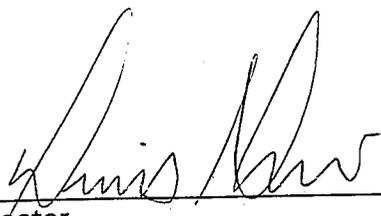
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the Lander District Office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to the Lander District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Lander District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

6/27/95  
\_\_\_\_\_  
Date of Issuance

JH/jm - 52696.LTR

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-271
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.  
Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.  
No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.  
No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)  
N/A
- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)  
Not Applicable
- VI. Documentation of Statement of Basis.
- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Engineer, and completed on June 20, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-272  
SPECIAL CONDITIONS

### Heide Bunkhouse Septic System

This permit hereby authorizes the applicant:

Chester and Evelyn Heide  
#189 Highway 111  
Aladdin, WY 82710

to construct, install or modify a small wastewater system according to the procedures and conditions of the application number 95-272. The facility is located in the SE/4 of the NE/4 of Section 5 of T53N R61W in the county of Crook, in the State of Wyoming. This permit shall be effective for a period of one year from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.

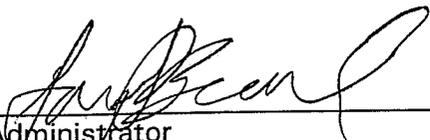
2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District office on the form provided (CERTIFICATION OF COMPLETION), the following information:

- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

6/27/95  
\_\_\_\_\_  
Date of Issuance

DRM/pr:06/21/95 /nc 52712.LTR

cc: Northeast District Application File 95-272  
Aladdin Construction, Box 110, Aladdin, WY 82710

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-272
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- Not Applicable (N/A)
- B. Briefly state the basis for the deviation.
- N/A
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
- N/A

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Donald R. McKenzie, NE District Engineering Supervisor, and completed on June 21, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

DRM/pr:06/21/95 /nc 52712.LTR

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

# PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-273  
SPECIAL CONDITIONS

## GENERAL CHEMICAL TOTAL CONTAINMENT REPLACEMENT LINE

This permit hereby authorizes the applicant:

GENERAL CHEMICAL CORPORATION  
P.O. BOX 551  
GREEN RIVER, WYOMING 82935-0551

to CONSTRUCT A REPLACEMENT WATER RETURN LINE FOR THE TOTAL CONTAINMENT POND according to the procedures and conditions of the application number 95-273. The facility is located in T19N R109W, SW 1/4 SEC 29 AND SE 1/4 SEC 30 in the county of SWEETWATER, in the State of Wyoming. This permit shall be effective for a period of TWO (2) from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

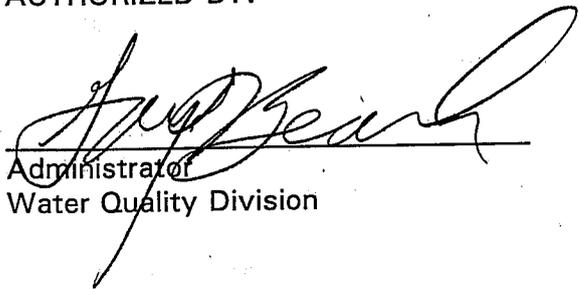
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

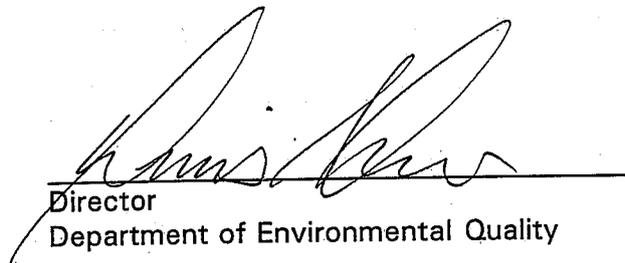
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authority that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to the Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "GROUNDWATER POLLUTION CONTROL PROGRAM REVIEW COMMENTS".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

9-1-95  
\_\_\_\_\_  
Date of Issuance

KLE/nc 53858.LTR

GROUNDWATER POLLUTION CONTROL PROGRAM  
REVIEW COMMENTS:  
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
250 Lincoln Street  
Lander, Wyoming 82520  
(307)332-3144

**PROJECT:** FACILITY MODIFICATION (Replace P/L from total containment pond to pump house)

**APPLICANT:** Mr. Barry Brogdon  
General Chemical Corporation  
P.O. Box 551  
Green River, Wyoming 82935-0551

**ENGINEER/  
CONSULTANT:**

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 95-273

EXISTING       NEW       AS BUILT

**TITLE:** Proposed Replacement of Existing Total Containment Pond Water Return Line

PLANS       SPECS       PROPOSAL       REPORT  
[Check all that APPLY]

**DATE ON PROPOSAL/PLANS/REPORT:** Date stamped 6/21/95  
Date stamped 7/31/95

**IS THIS PROPOSAL SUBMITTED PURSUANT TO:**

'CONDITIONS' TO ANY WQD PERMIT?  NO       YES [PERMIT #]

AN LOV, NOV OR OTHER ENFORCEMENT?  NO       YES [DATE]

**REVIEWING ENGINEER:**

\_\_\_\_\_  
Keith L. Estenson

**DATE OF THIS REVIEW:** August 23, 1995

**ACTION:** AUTHORIZED

## **COMMENTS: GROUNDWATER SECTION**

### **1.0 SUMMARY OF EXISTING CONTAMINATION:**

General Chemical is currently under the jurisdiction of the Groundwater Pollution Control (GPC) program because of widespread groundwater contamination due to seepage of the process water containment ponds.

### **2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:**

A DEQ/WQD Application for Permit to Construct has been submitted, along with a brief description of the project and a plan and profile of the proposed line. General Chemical is proposing to construct an above ground pipeline to replace the existing on-ground line. The line intermittently transfers water from the Total Containment Pond to supplement river water used by the plant. The existing line runs on top of the ground and creates freezing problems in low spots. The replacement line will be run above ground at a constant slope to eliminate freezing problems. The above ground line will also facilitate maintenance and visual inspection.

The Total Containment Pond is used to catch all of the ditch flows from the plant. The proposed line (as is the existing line) will be constructed within this "drainage" area. Any leakage from the pipe line will go back to the Total Containment Pond or to the Northeast Wash, which is pumped back to the Total Containment Pond.

The line will be approximately 2700 feet long, constructed of eight inch schedule 40 carbon steel. The random lengths of pipe will be coupled with flanges and gaskets. Stands to support the pipe where it crosses the drainage ditches will be constructed of six inch channel, six inch pipe, and three inch angle iron. Performance tests of the line will consist of visual inspections.

The plan and profile drawn by Johnson-Fermelia Co. was completed as a land survey, not as an engineered plan. The pipe stand plan was drawn and designed by General Chemical's senior project engineer. The drawings are bound by staple with a cover letter, the cover letter being signed and stamped by an engineer licensed in Wyoming.

The following have been considered during the review of this permit application:

1. Any failure of the pipeline would result in water flow back to the Total Containment Pond, from whence it came;
2. The line is a replacement line of an existing pipeline. General Chemical has a working knowledge of the existing line, and is replacing the existing line in order to minimize current operational problems;
3. The replacement line will be above ground, thereby eliminating many of the design concerns that are stated in the DEQ/WQD Rules and Regulations;

Review of Plans, Specifications, Proposals, Reports  
August 30, 1995  
Page 3

**3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:**

None.

**END OF REVIEW**

KLE/nc 53858.LTR

xc: File: General Chemical, Sweetwater  
1995 Southwest District Review Forms  
1995 Southwest District Running Record  
Chronological  
Application for Permit to Construct (3)  
Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne  
Alan Guile, DEQ/LQD, Lander

KLE: C:\FILES\WP\SITES\GENCHEM\95-273R.REV

# PERMIT TO CONSTRUCT

New  
Renewal  
Modified

PERMIT NO. 95-274R  
SPECIAL CONDITIONS

## C & D Properties Sanitary Sewer

This permit hereby authorizes the applicant:

C & D Properties  
P. O. Box 497  
Jackson, Wyoming 83001

to construct a sanitary sewer collection line and manhole structure according to the procedures and conditions of the application number 95-274R. The facility is located in the NE1/4 of Sec. 33, T41N, R116W in the county of Teton, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

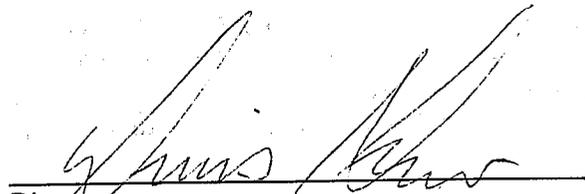
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

9/13/95  
\_\_\_\_\_  
Date of Issuance

MDR/mad 54016.LTR

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-274R

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not Applicable

---

<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VI. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Michael D. Roberts, P. E., Northwest District Engineer, and completed on \* September 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-275  
SPECIAL CONDITIONS

## Butler Small Wastewater Treatment Facility

This permit hereby authorizes the applicant:

Douglas & Vonda Butler  
1145 North Seventh  
Greybull, WY 82426

to construct a septic tank, constructed wetland, leach field wastewater treatment system to serve a 2 bedroom residence according to the procedures and conditions of the application number 95-275. The facility is located in NW1/4 Sec. 28, T53N, R91W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

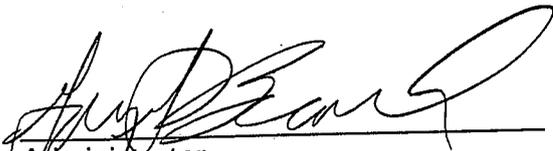
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

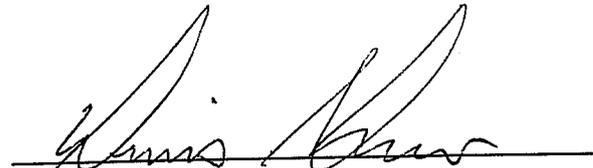
permit. This permit does not relieve the permittee from any duty to obtain any other permits that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the Lander District Office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to the Lander District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Lander District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-5-95  
\_\_\_\_\_  
Date of Issuance

JH/jm/mad 52825.LTR

STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-275

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not Applicable

VI. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Engineer, and completed on June 28, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



THE STATE OF WYOMING

JIM GERINGER  
GOVERNOR



## Department of Environmental Quality

1043 Coffeen Avenue, Suite D • Sheridan, Wyoming 82801

AIR QUALITY  
(307) 672-6457  
Fax (307) 674-6050

LAND QUALITY  
(307) 672-6488  
Fax (307) 672-2213

WATER QUALITY  
(307) 672-6457  
Fax (307) 674-6050

August 14, 1995

Mr. Marty Stearns  
Environmental Supervisor  
Cordero Mining Company  
P.O. Box 1449  
Gillette, WY 82717-1449

Dear Mr. Stearns:

Enclosed please find the following documents:

- 1) Wyoming Department of Environmental Quality, Water Quality Division Permit to Construct number 95-276;
- 2) one copy of the permit application, signed and stamped by Phillip Stump, P.E.;
- 3) one copy of Groundwater Pollution Control Review Comments.

Please contact me directly in the Sheridan office at (307) 672-6457 if you have any questions.

Sincerely,

Wm. Donald Fischer  
Senior Analyst  
Water Quality Division  
Northeast District

WDF/pr

cc: Mr. Mike Evers, WWC, Sheridan  
IPS, Cheyenne

GROUNDWATER POLLUTION CONTROL PROGRAM  
REVIEW COMMENTS:  
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1043 COFFEEN AVENUE, SUITE D  
SHERIDAN, WYOMING 82801

PROJECT: REMEDIATION (Pump and Treat System)

FACILITY: Cordero Mine, Gillette Wyoming

APPLICANT: Cordero Mining Company  
P.O. Box 1449  
Gillette, WY 92717-1449  
Attn: Martin Stearns

ENGINEER: Western Water Consultants  
1949 Sugarland Drive, Suite 134  
Sheridan, WY 82801  
Attn: John J. Galbreath

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: #95-276

EXISTING     NEW     AS BUILT

TITLE: Design Report For An Oil/Water Separator System For  
The Diesel Seep At Cordero Mine

PLANS     SPECS     PROPOSAL     REPORT

DATE ON PROPOSAL: June 16, 1995

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT?     NO     YES

AN LOV, NOV OR OTHER ENFORCEMENT?     NO     YES

REVIEWING GEOLOGIST:

Wendy D. Fischer

REVIEWING ENGINEER:

Phillip Stump

DATE OF THIS REVIEW: 8/2/95

ACTION: AUTHORIZED FOR CONSTRUCTION

## COMMENTS: GROUNDWATER SECTION

### I. SUMMARY OF EXISTING CONTAMINATION:

The contamination was originally detected in August 1989 when mine personnel noticed a groundwater seep along the base of a 40 foot high embankment. The source of the contamination was determined to be the mine fuel island, which is located approximately 700 feet southwest of the seep.

The geology in the immediate area of the spill consists of a backfill deposit of scoria. Groundwater is under perched conditions, resulting from precipitation infiltration and mine dust-suppression operations. A clay lense underlies the scoria deposit and appears to form a vertical confining layer.

The following table displays the results of the March 3, 1995 sampling event:

Monitor Well Number	Product Thickness (inches)	TPH (mg/l)	Benzene (ug/l)	Naphthalene (ug/l)	2-Methyl Naphthalene
MD-24-1	0.0	NM	NM	NM	NM
MD-24-2	30.0	2900	ND	18000	60000
MD-24-3	0.0	NM	NM	NM	NM
MD-25-1	0.0	0.7	ND	ND	ND
MD-25-2	0.5	350.0	30	580	3300

NM = not measured

ND = not detected

### II. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

Monitor wells were installed under DEQ Permit to Construct number 91-076 to investigate the extent of groundwater contamination. The source of contamination, the fuel island facilities, were repaired. Subsequently, WDEQ issued Permit to Construct number 93-422 for the installation of a diesel seep containment structure, including a cutoff trench, and Permit to Construct number 93-010 for construction of an in-situ bioremediation and well injection system. The bioremediation system was put into operation in June 1993. During the summer of 1994, free product was observed in the seep containment structure. The bioremediation and well injection system froze intermittently during the winter of 1994-1995. The decision was made to modify the existing system to provide a more effective method of remediation.

Cordero obtained permission from the WQD/NPDES program to modify an existing permit to allow discharge of the effluent from the oil-water separator. The effluent will travel through an existing ditch to the settling ponds and ultimately to Cordero Reservoir. Wastewater from the treatment system and washdown water from the mining operations are also transported down through this conveyance system.

Review of Plans, Specifications, Proposals, Reports  
August 2, 1995  
Page 3

II. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

Permit to Construct number 95-276 is authorized under the conditions listed in the permit. These conditions have been reviewed prior to issuance of the permit by Mr. Michael Evers, Western Water Consultants, Sheridan, Wyoming, the consulting geologist for the project and verbally discussed with Mr. Martin Stearns, environmental coordinator for Cordero Mine.

END OF REVIEW

PBS/b/53391.ltr

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-276  
SPECIAL CONDITIONS  
REF/PERMIT 91-422

## Cordero Mine

This permit hereby authorizes the applicant:

Cordero Mining Company  
P.O. Box 1449  
Gillette, WY 82717-1449

to construct, install or modify a groundwater recovery and treatment system according to the procedures and conditions of the application number 95-276. The facility is located in Section 24 Township 47N Range 71W in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years, five (5) years maximum from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Sheridan, WY 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

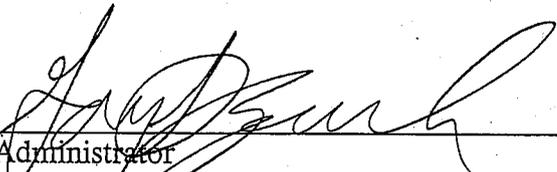
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

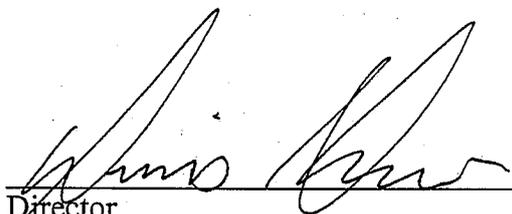
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1) **REPORTING:** Within sixty (60) days after one year of operation of the treatment system, Cordero Mining Company shall submit an annual report to the DEQ/WQD office in Sheridan summarizing and documenting all performance monitoring data and describing plans and schedules for future operation of the treatment system. The report shall include an evaluation of the treatment system's performance in meeting its original objectives and the items described in Section 7 of the permit application. Any proposed changes to the system shall be included in the annual report. Cordero Mining Company shall also submit an interim status report after the first six (6) months of operation. The report shall contain a summary of the monitoring data and any problems that were encountered with the system.
- 2) **OPERATIONS AND MAINTENANCE MANUAL:** The final O&M Manual shall be submitted within (60) days after start-up of the Treatment System. The O&M Manual shall contain the final version of the items listed in the permit application and the following additional items:
  - a. a description of any modifications and fine-tuning which were required to enhance the operation of the treatment system; and
  - b. final 'as-built' drawings of plans and specifications of any modifications to the original plans.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-8-95  
\_\_\_\_\_  
Date of Issuance

DF/b/53390.ltr

GROUNDWATER POLLUTION CONTROL PROGRAM  
REVIEW COMMENTS:  
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1043 COFFEEN AVENUE, SUITE D  
SHERIDAN, WYOMING 82801

PROJECT:                   REMEDIATION (Pump and Treat System)

FACILITY:                 Cordero Mine, Gillette Wyoming

APPLICANT:               Cordero Mining Company  
                              P.O. Box 1449  
                              Gillette, WY 92717-1449  
                              Attn: Martin Stearns

ENGINEER:                Western Water Consultants  
                              1949 Sugarland Drive, Suite 134  
                              Sheridan, WY 82801  
                              Attn: John J. Galbreath

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:                   #95-276

EXISTING    NEW            AS BUILT

TITLE: Design Report For An Oil/Water Separator System For  
The Diesel Seep At Cordero Mine

PLANS        SPECS        PROPOSAL    REPORT

DATE ON PROPOSAL: June 16, 1995

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT?    NO    YES

AN LOV, NOV OR OTHER ENFORCEMENT?    NO    YES

REVIEWING GEOLOGIST: \_\_\_\_\_

REVIEWING ENGINEER:                   Phillip Stump

DATE OF THIS REVIEW: 8/2/95

ACTION:                 AUTHORIZED FOR CONSTRUCTION

## COMMENTS: GROUNDWATER SECTION

### I. SUMMARY OF EXISTING CONTAMINATION:

The contamination was originally detected in August 1989 when mine personnel noticed a groundwater seep along the base of a 40 foot high embankment. The source of the contamination was determined to be the mine fuel island, which is located approximately 700 feet southwest of the seep.

The geology in the immediate area of the spill consists of a backfill deposit of scoria. Groundwater is under perched conditions, resulting from precipitation infiltration and mine dust-suppression operations. A clay lense underlies the scoria deposit and appears to form a vertical confining layer.

The following table displays the results of the March 3, 1995 sampling event:

Monitor Well Number	Product Thickness (inches)	TPH (mg/l)	Benzene (ug/l)	Naphthalene (ug/l)	2-Methyl Naphthalene
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MD-25-1	0.0	0.7	ND	ND	ND
MD-25-2	0.5	350.0	30	580	3300

NM = not measured

ND = not detected

### II. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

Monitor wells were installed under DEQ Permit to Construct number 91-076 to investigate the extent of groundwater contamination. The source of contamination, the fuel island facilities, were repaired. Subsequently, WDEQ issued Permit to Construct number 93-422 for the installation of a diesel seep containment structure, including a cutoff trench, and Permit to Construct number 93-010 for construction of an in-situ bioremediation and well injection system. The bioremediation system was put into operation in June 1993. During the summer of 1994, free product was observed in the seep containment structure. The bioremediation and well injection system froze intermittently during the winter of 1994-1995. The decision was made to modify the existing system to provide a more effective method of remediation.

Cordero obtained permission from the WQD/NPDES program to modify an existing permit to allow discharge of the effluent from the oil-water separator. The effluent will travel through an existing ditch to the settling ponds and ultimately to Cordero Reservoir. Wastewater from the treatment system and washdown water from the mining operations are also transported down through this conveyance system.

Review of Plans, Specifications, Proposals, Reports  
August 2, 1995  
Page 3

II. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

Permit to Construct number 95-276 is authorized under the conditions listed in the permit. These conditions have been reviewed prior to issuance of the permit by Mr. Michael Evers, Western Water Consultants, Sheridan, Wyoming, the consulting geologist for the project and verbally discussed with Mr. Martin Stearns, environmental coordinator for Cordero Mine.

END OF REVIEW

PBS/b/53391.ltr



THE STATE OF WYOMING



JIM GERINGER  
GOVERNOR

# Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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June 27, 1995

Mr. Martin W. Stearns  
Cordero Mining Co.  
P.O. Box 1449  
Gillette, WY 92717-1449

Re: Application For Permit to Construct, 95-276  
Diesel Seep Oil/Water Separator

Dear Mr. Stearns:

This letter is to notify you that the above subject permit application was received on June 21, 1995 and has been assigned permit number 95-276. The engineer who will be reviewing this application is Phillip Stump who can be contacted at the following telephone number 777-7781.

In order to minimize the uncertainty associated with the time required to complete the permitting process, we track all permit applications as they progress through our system. Permits are generally reviewed in the order in which they are received. It is estimated that the initial engineering review of your application will be completed on or about August 11, 1995. If the application is complete and otherwise in compliance with applicable minimum standards it is estimated that a permit to construct can be issued on or about August 18, 1995.

If the application is incomplete or not in compliance with minimum standards a "Review of Plans and Specifications" will be sent to both the applicant and the engineer which identifies specific items that must be addressed before a permit can be issued. The length of time required to respond to these review comments will affect the final permit approval date. It is difficult to estimate the amount of time required for the engineer to prepare and submit a response to a particular review. However, based upon an estimated response time of 60 days, it is estimated that a reasonable target date for issuance of the final permit is on or about November 13, 1995.

If either the applicant or the engineer has any concerns with these target dates please let me know. We want to work with you to add certainty and predictability to the permit process.

Sincerely,

*Phillip Stump*  
Phillip Stump  
Senior Environmental Analyst  
Water Quality Division

PS/nc 52770.LTR  
cc: Don Fischer, WQD/Sheridan  
Patti Burns, IPS

*Archive Copy*

95-277

IF THIS IS TO BE REVIEWED BY OTHER THAN WQD PERSONNEL, MUST SEEK RULING FROM AG AS TO CONFIDENTIALITY.

THIS INFORMATION CONTAINS BONDING INFORMATION AND ALSO A DOCUMENT STAMPED "CONFIDENTIAL"

NJC/ 11/06/95

R7



THE STATE OF WYOMING

**JIM GERINGER**  
GOVERNOR

# Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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October 11, 1995

## CERTIFIED MAIL

Mr. Larry Fishman  
Thermo Ecotek Corporation  
KFx Fuel Partners, L.P.  
P.O. Box 9046  
Watham, MA 02254-9046

RE: KFx Fuel Partners, L.P., UIC Permit No. 95-277, Campbell County, Wyoming

Dear Mr. Fishman:

Enclosed please find the original signed permit for three injection wells at the K-Fuels Project in Campbell County. Federal Insurance Co., Bond No. 8143-72-63, in the amount of \$75,000.00 has been accepted as financial assurance to cover complete environmental restoration of these wells, including plugging and abandonment of the wells, any post closure care of the site which may be required, and reclamation of the drilling pad itself. This bond does not cover any work on the plant site, and the permit does not allow construction of the plant. The Land Quality License to Mine is still required before any construction can be done on the plant site. At the time when the Land Quality License to Mine is granted, you may want to replace the present bond with a single bond to cover both the deep disposal wells and the reclamation of the plant site. That procedure is acceptable to the Department.

The enclosed permit allows construction and operation of the deep disposal wells only. The issuance of this permit does not bind this department to grant the License to Mine or in any way guarantee that either a License to Mine or a Permit to Mine will eventually be granted by the Land Quality Division. For this reason, KFx must be aware that any construction done under this permit is at risk in the sense that Land Quality Division may not issue the remaining licenses and permits necessary to operate the project as a whole.

Sincerely,

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

RL/PJ/nc 54556.LTR

Enclosure

cc: Pat Jordan, WQD Bonding Specialist - w/encl., copy of bond  
UIC Permit File 95-277  
Federal Insurance Company, ATTN Surety Department, 15 Mountain View Road, Warren, N.J. 07059

DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE OF WYOMING  
UNDERGROUND INJECTION CONTROL PERMIT  
ISSUED UNDER CHAPTER XIII  
WYOMING WATER QUALITY RULES AND REGULATIONS  
CLASS I INJECTION WELL

(XX) New  
( ) Modified

Permit Number UIC 95-277

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a) (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter XIII (1993),

Applicant: KFx Fuel Partners, L.P., C/O Thermo Ecoteck Corporation  
81 Wyman Street  
Waltham, MA 02254-9046  
(617) 622-1500

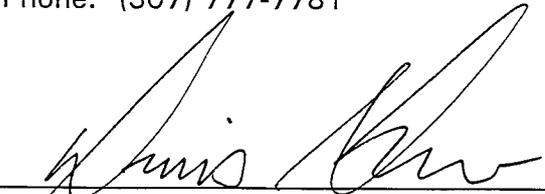
is authorized to operate

The KFx Injection System consisting of three injection wells, KFx-1 located in the SE $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 32, KFx-2 located in the NE $\frac{1}{4}$  NE $\frac{1}{4}$ , Section 32, KFx-3 located in the SE $\frac{1}{4}$  SE $\frac{1}{4}$ , Section 32, all in Township 51 North, Range 71 West, of the 6th Principal Meridian, Campbell County; according to the procedures and conditions of application 95-277 and requirements and other conditions of this permit as contained in pages 1 through 12.

This permit shall become effective on date of issuance.

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002  
Phone: (307) 777-7781

10/16/95  
Date

  
\_\_\_\_\_  
Director  
Department of Environmental Quality  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002

10/16/95  
Date

A. Discharge Zone

These injection wells are authorized to inject into the Minnelusa Formation(s) which is found in the well bore from approximately 9,600 to 10,000 feet below the ground surface. Additional perforations may be installed within entire Minnelusa Formation with the prior approval of the Water Quality Division.

The packer set on the bottom of the tubing shall be set within 500 feet of the top of the authorized discharge zone.

B. Area of Review

The well(s) authorized by this permit is/are located in:

Township 51 North, Range 71 West, 6th Principal Meridian  
Section 32: SE $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ SE $\frac{1}{4}$

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

Township 51 North, Range 71 West, 6th Principal Meridian  
Section 28: W $\frac{1}{2}$ SE $\frac{1}{4}$ , SW $\frac{1}{4}$   
Section 29: S $\frac{1}{2}$   
Section 30: SE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 31: E $\frac{1}{2}$ E $\frac{1}{2}$   
Section 32: All  
Section 33: W $\frac{1}{2}$ , W $\frac{1}{2}$ E $\frac{1}{2}$

Township 50 North, Range 71 West, 6th Principal Meridian  
Section 4: W $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$   
Section 5: N $\frac{1}{2}$

C. Groundwater Classification

The groundwater in the Minnelusa Formation is classified as class VI under Chapter VIII of Wyoming Water Quality Rules and Regulations (April 9, 1980.) This classification was made because:

1. The groundwater in this formation contains in excess of 10,000 mg/l of Total Dissolved Solids; and
2. The groundwater in this formation is situated as such a depth that recovery of this water and treatment for drinking water purposes is not practical.

D. Authorized Operations

The permittee is authorized to inject 2,500 barrels per day per well and a project total of 5,000 barrels per day for all three together (210,000 gallons per day) of industrial wastes as described:

Wastes from the KFx Coal Upgrading Facility which are exempt from RCRA regulations under 40 CFR 261.4(b)(7), the Beville Amendment: These wastes are exempt by virtue of the fact that they are beneficiation wastes which are produced by a process which is restricted to the following activities: Crushing; grinding; washing; filtration; sizing; drying; pelletizing; briquetting; calcining to remove

water and/or carbon dioxide; roasting, and autoclaving". The operator has also shown that these wastes do not exhibit the characteristics of hazardous waste. A typical analyses, submitted with the application shows that this waste contains the following parameters of concern:

PARAMETER	UNIT	MCL <sup>(1)</sup>	CLASS I <sup>(2)</sup>	RCRA LIMIT <sup>(3)</sup>	VALUE PRESENT	
Arsenic	mg/l	0.050	0.050	5.0	.087	
Lead	mg/l	0.050	0.050	5.0	1.88	
Mercury	mg/l	0.002	0.002	0.20	.01	
Benzene	mg/l	.005	.005	0.50	.39	
<i>o</i> -Cresol	mg/l	N/A	N/A	200.0	57	
<i>m</i> -Cresol	mg/l			200.0		
<i>p</i> -Cresol	mg/l			200.0		
Methyl-Ethyl-Ketone (MEK) (Butanone)	mg/l			200.0	130	
Chemical Oxygen Demand (COD)	mg/l			N/A	6,900	
Total Phenolics	mg/l			.001	N/A	942

(1) The MCL is the Maximum Contaminate Level allowed in drinking water by the US EPA. For water, the unit mg/kg is equal for all practical purposes to the unit mg/l which is the unit that the standards are published in. On this and other tables, a notation "N/A" indicates that there is no standard for that parameter.

(2) The class I standard is the maximum amount allowed in class I groundwater under regulations published in Chapter VIII, Water Quality Rules and Regulations. For Phenols the class I standard is for Phenol, the value presented here is Total Phenolics which includes other phenol derivatives.

(3) The RCRA Limit is the amount of a contaminant detected using a TCLP test which defines the lower limit of a Toxic Hazardous Waste. Any number present at a level higher than this limit indicates that the material tested is, in and of itself, a hazardous waste.

The permittee is authorized to inject at a pressure of no more than 2,500 psig as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded on a chart recorder.

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

The permittee shall monitor continuously the pressure on the casing/tubing annulus and shall maintain a positive pressure on that annulus. The pressure maintained shall be not less than 200 psig nor more than 800 psig.

The wastes injected do not fit exactly with any present SIC code. The closest SIC codes are: 12, 13, 28 and 29. The permittee may inject other wastes with prior approval of the Administrator.

The composite injection stream may also contain a small amount of corrosion inhibitors, deposit control additives, scale inhibitors, and biocides. The use of such additives is authorized provided that the permittee shall provide MSDS sheets for all such additives, the amounts to be used, and shall obtain written approval from the Water Quality Division prior to using any additive.

**E. Hazardous Waste**

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

**F. Proper Operation and Maintenance**

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes mechanical integrity of the well, effective performance, adequate funding and operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.

The injection wells covered by this permit shall meet all construction requirements outlined in Chapter XIII, Section 11 of the Wyoming Water Quality Rules and Regulations.

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

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

Injection into a well may not commence until construction is complete.

**G. Entry and Inspection**

The permittee shall allow the Administrator, or an authorized representative for the Administrator, upon presentation of credentials and during normal working hours, to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit, and inspect the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

H. Environmental Monitoring Program for Groundwaters of the State

The permittee shall furnish any information necessary to establish a monitoring program pursuant to Section 13 of Chapter XIII.

A monitoring program is required to establish baseline water quality of the receiving formation and to insure knowledge of migration and behavior of the discharge. The permittee is required to provide detailed information concerning the quality of the groundwater in the vicinity of this injection well as follows:

At a minimum, the groundwater in the receiving formation shall be sampled prior to the injection of any fluid under this permit. One drill stem test in one of the three wells is sufficient for this requirement. This sample shall be analyzed for the following parameters at a minimum:

PARAMETERS		
Calcium	Sodium	Magnesium
Sulfate	Potassium	Chloride
Bicarbonate	Carbonate	pH
Conductivity	Specific Gravity	Total Dissolved Solids

Because of the depth of injection, the type of waste, and/or the amount of groundwater sampling already required in the general vicinity of this facility, no groundwater monitoring plan is required.

I. Requirements for Monitoring the Discharge

The permittee shall monitor the injection pressure continuously and record those readings on a strip chart recorder, a circular charge recorder, or digitally by computer interface with the pressure transducer on the well. The permittee shall also monitor the volume injected into each well continuously with one meter at the injection plant and a separate meter at each wellhead. The two meters shall be tied together by computer interface in such a way that differences in the two readings, above the calibration errors, will cause an immediate shutdown of injection to that well.

The permittee shall shut-in one of the three wells covered by this permit annually for a period of time long enough to observe a valid pressure falloff curve. Each falloff curve shall be completed before September 1 of each year. This test shall be considered complete when the pressure curve becomes asymptotic to a straight line on the Miller-Dyes-Hutchinson (MDH) plot. The permittee shall prepare a report for each falloff curve conducted including a MDH Plot and calculations of the skin effect, the indicated transmissivity and permeability of the receiver, and the indicated reservoir pressure. This report shall include plots of the data and all calculations based on those plots.

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

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
Quarterly	239	Lead	5.0
	245	Mercury	.20
	350	Ammonia as N	200.0
	624	Benzene	.50
	625	<i>o</i> -Cresol	200.0
	625	<i>m</i> -Cresol	200.0
	625	<i>p</i> -Cresol	200.0
Quarterly	624	Methyl-Ethyl-Ketone (MEK) (Butanone)	200.0
	420	Total Phenolics	2,500.0

\*All chemical parameters listed in this permit are expressed in mg/l unless otherwise shown. pH is always expressed in standard units, and Conductivity is always expressed in mmhos/meter or umhos/cm.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. The quarterly samples shall be a composite of a minimum of four individual samples taken over a period of at least 14 days.

**J. Test Procedures**

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

All required analyses shall be conducted in compliance with Chapter VIII, Section 7, Wyoming Water Quality Rules and Regulations.

**K. Records and Reports**

The permittee shall furnish to the Administrator, within a specified time, any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit.

The permittee shall retain copies of all records and reports required by this permit, for a period of three (3) years following permanent well abandonment. After that time, those same records shall be delivered to the Administrator for disposal or archive at his sole discretion.

Reports of compliance or noncompliance with, and any progress reports on, interim and final requirements contained in any compliance schedule shall be submitted no later than thirty (30) days following each schedule date.

Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance.

Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above.

The permittee shall notify the administrator thirty (30) days in advance of any planned alteration, conversion or abandonment of the well(s) covered by this permit.

The quarterly report of operations for these wells shall be submitted on forms supplied by the department (or a facsimile) and shall include the following information for each well:

1. The minimum, average and maximum daily injection rate for each of the wells, for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.
2. The minimum, average, and maximum daily injection pressure for each of the four wells for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
3. The total injection volume in gallons for each month of the quarter, the total for the quarter, and the total cumulative injected to date all for each well separately.
4. The maximum and minimum annulus pressure for each month of the quarter for each well separately.
5. Any permit exceedances within the quarter.
6. Any tests run during the quarter. This includes, but is not limited to, the results on any Mechanical Integrity Tests, Pressure Falloff Tests, Step Injection Tests, or any well workovers.
7. The analytical results for sampling for the injected water and any groundwater sampling results required under Section H.
8. Quarterly reports are due in the Cheyenne office of the Water Quality Division no later than 30 days after the end of each calendar quarter.

The annual report of operations on these wells shall be filed at the time when the fourth quarterly report is due and shall include the following additional information:

1. A graphical representation of the injection pressure and volume over time for the previous five years' operation. This graph shall have the dates of the year on the abscissa and the pressure and volume as the ordinate.
2. Graphical representations of the quality of the injected water over time. These graphs shall show the injected quality for the previous five years' operation and shall be prepared on appropriate scales to show the variation.
3. For any well required to be monitored under Section H, a graphical representation is required for the concentration of each monitored parameter over time.
4. Monitoring results shall be reported in the annual reports unless otherwise specified.

## L. Permit Actions

This permit is issued for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator and obtain a new permit prior to the expiration date of this permit.

It shall not be a defense for a permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit;
2. Obtaining a permit by misrepresentation of facts in the application; or
3. Failure of the casing, cement or the confining layer.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less, stringent standards, or prohibitions for toxic or other substance present in the permittee's discharge, as may be ordered by the council.

## M. Mechanical Integrity

Mechanical Integrity shall be maintained continuously and reviewed at least once every five (5) years. The test used to determine mechanical integrity shall be a two part test approved by the Administrator.

Part I of the Mechanical Integrity test shall demonstrate the absence of leaks through the packer, tubing, casing and wellhead. After all tubing has been installed and the well is ready for injection, the annulus between the tubing and the long string casing shall be pressure tested up to the maximum permitted injection pressure. This pressure shall be held for 15 minutes with no loss. In the event that losses occur, the annulus may be re-pressurized and

retested if it appears that losses were not the result of leaks. Part I of the mechanical integrity test shall be redone within five years (to the day) of the last mechanical integrity test passed.

Part II of the Mechanical Integrity test shall demonstrate the absence of fluid movement behind the casing. At the time of completion, Part II of the test will be satisfied by running a Cement Bond Log on the long string casing. This Cement Bond Log shall include a microseismogram (Variable Density Log). The Cement Bond Log shall be run with no pressure on the casing and may be repeated with 500 psi on the casing. At the time of initial completion, temperature surveys shall also be run according to Figure 12 of the application.

Subsequent Part II mechanical integrity tests shall be run within five years (to the day) of the last mechanical integrity test passed and shall consist of, at a minimum, a properly executed Radioactive Tracer Survey (RATS) and a Temperature Log (TL). The RATS shall include the following: a check of the packer with a shot taken within five feet above the packer; a check for channeling above the top perforation with the shot within five feet above the perforations; and a check for downward leakage with a shot below the bottom perforations. Each of these shots shall be monitored for a minimum of ten (10) minutes. The TL shall include an injecting temperature survey conducted in conjunction with the RATS with the well at stable injection rate, and a shut-in temperature survey conducted after a minimum of 24 hours of shut-in time.

Wells which have not demonstrated both parts of the required Mechanical Integrity test shown on the above schedules, shall be shut-in until the Mechanical Integrity has been restored and the required tests have been passed.

Any time that the tubing is pulled, any drilling tool is inserted into the hole, or in the case of a failed mechanical integrity test, both of the parts of the mechanical integrity test shall be passed before any well covered by this permit is placed back on injection.

## N. Abandonment

The permittee shall notify the administrator at such times as the permit requires before conversion or abandonment of the well.

Within thirty (30) days after plugging and abandonment of the well(s) covered by this permit, the permittee shall submit a plugging and abandonment report, detailing the compliance abandonment procedures outlined in the original permit application, and describing any deviation from the original plan. The abandonment plan shall include reclamation of the well location.

The tubing string and injection packer will be removed from the drillhole. A work string with a cement retainer will be run in the well to a depth similar to the setting depth of the production string. 200 sacks of Class G cement, mixed 5.0 gallons of clean potable water per sack, shall be pumped into the perforations and the tubing displaced with clean water. The retainer will be left in the hole and a minimum of 250 sacks of Class G cement, mixed with 5.0 gallons of clean potable water per sack shall be placed on the cement retainer. This should fill the 5½ inch casing up to the approximate cement top outside the casing at 7,500 feet. The interval from 7,500 feet to 4,000 feet shall be filled with Pozmix 140 or equivalent, properly mixed according to manufacturer's specifications. The remainder of the hole shall be filled with 575 sacks of Class G cement, mixed with 5.0 gallons of clean potable water per sack.

Each of these wells shall be properly abandoned within six months of the end of operation. These wells shall be considered temporarily abandoned any time there has been no injection for six full

months. If these wells are temporarily abandoned at any time, the operator may retain them in this status so long as all monitoring equipment is maintained in working order and all pumps are also maintained. During the period of temporary abandonment, all reports shall be filed as for an active well, but monitoring of the injected fluid is waived. Should the operator remove any of the required equipment from service, other than for maintenance, then the wells shall be permanently abandoned within six months of that time.

O. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alteration or addition.

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

Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the administrator through the submission of a new or amended permit application.

The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

Monitoring results shall be reported at the intervals specified elsewhere in this permit.

P. Financial Responsibility

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

OR

The permittee has posted the required financial instruments to guarantee the plugging and abandonment of the hazardous waste injection well covered by this permit. The specific financial instrument provided is:

Performance Bond 8143-72-63 issued by the Federal Insurance Company, 890 Mountain Avenue, New Providence, NJ 07974 in the amount of \$75,000.

The permittee shall maintain the above instrument or a replacement instrument for the duration of this permit and until all post-closure care requirements have been satisfied.

Q. Special Conditions

In addition to the conditions required of all permits, the Administrator has established conditions as required for monitoring, schedules of compliance, and such additional conditions as are necessary to prevent the migration of fluids into underground sources of drinking water. These conditions are established in conformance with Chapter XIII, Section 9(e).

In the unlikely event that the drilling of any of these injection wells encounters commercial quantities of oil and gas, the permittee shall comply with all rules of the Oil and Gas Conservation Commission regarding the conservation of the state's resources. This may require that the oil and gas be produced to exhaustion prior to converting the well to injection. This requirement is included because the Minnelusa Formation has not been previously tested within the area of review for the presence of commercial hydrocarbons.

Prior to the drilling of well KFx-1 located in the SW ¼NW ¼, Section 32, T51N, R71W, the permittee shall provide evidence to the Water Quality Division that all requirements placed on the permittee by the mineral estate owner, the Bureau of Land Management, have been satisfied.

The permittee shall identify each well covered by this permit with a standard well sign. The well sign shall show the name of the permittee, the name of the well, the legal description of the well, and the fact that a WQD UIC permit applies. Inside the injection plant the permittee shall affix a sign which states what the maximum injection pressures and volumes are, and the fact that any exceedance of these values is a violation of the permit. The sign shall include instructions that exceedances must be reported within 24 hours of their occurrence to the following telephone number: (307) 777-7095. These same reports shall be made by the pumper to the permittee at the same time when reporting to the department. All signs shall be constructed of standard gauge material, either steel, aluminum or fiberglass with letters a minimum of 1 inch high.

In the event that any cultural resources (evidence of historic or prehistoric occupation of the site) are uncovered during the construction of the injection wells or injection plant, the State Historic Preservation Office (SHPO) shall be notified immediately. The SHPO project control number is 0895RLCO20. In this event work shall immediately cease and not be resumed until the cultural resources discovered have been evaluated and adequate measures taken for their protection or collection. The contact and telephone number for the State Historic Preservation Office is: Richard Currit, (307) 777-5497.

Prior to construction of flow lines from the plant to each well, KFx shall obtain rights-of-way from all surface owners.

## R. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

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

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

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

or

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

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

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

#### S. Noncompliance

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Chapter XIII of the Wyoming Water Quality Rules and Regulations and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

#### T. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator, and the Director, and no transfer shall be approved unless the proposed permittee agrees to bring any and all noncompliance issues into compliance with this permit.

The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

#### U. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

V. Severability

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

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

RFL/nc 54557.LTR

THE STATE



OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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July 10, 1995

**CERTIFIED MAIL RETURN RECEIPT REQUESTED #** 74891

Mr. Larry Fishman  
Thermo Ecotek Corporation  
KFxFuel Partners, L.P.  
P.O. Box 9046  
Watham, MA 02254-9046

**RE: Federal Insurance Co. Bond No. 8143-72-63, UIC Permit No. 95-277**

Dear Mr. Fishman:

We are returning the enclosed bond for the reasons outlined below. Please have the surety's Attorney-in-Fact re-execute the bond and attach a copy of this letter when the bond/rider is resubmitted. Enclosed is a form for your use.

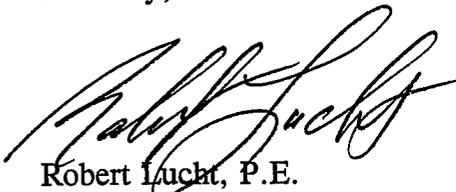
1. The form must be executed back and front on the same piece of paper. A signature page separate from the text of the bond is unacceptable.
2. The name of the principal must be the same wherever shown and be the same as the name of the permittee. The permit application was submitted in the name of KFxFuel Partners, L.P. We cannot accept a bond from another legal entity, Thermo Ecotek Corporation.
3. If the principal is a partnership, the bond must be signed by the managing general partner. Please attach a certified copy of the partnership agreement.
4. If the general partner is a corporation, the person signing on behalf of the corporate principal must state his/her legal capacity. There must be attached to the bond, a certified copy of the board resolution or bylaws evidencing the authority that each officer or person who signed has authority to sign in behalf of the principal. This is the case even if the person who signs is the president.

Mr. Fishman  
July 10, 1995  
Page 2

5. The Certification of Power of Attorney is not sealed with an original seal.
6. The legal land description contains errors. Please correct the following:
  - a. The description of the third well should read "SE SE of Section 32." The description written as SE-NE-SE does not agree with the permit application nor with the map contained in the permit application.
  - b. All quarter/quarter descriptions should be written without dashes, commas or other marks between quarter/quarters. Dashes could be construed to read as commas are read. Ex.:  
SE,NW of Section 32 reads southeast and northwest quarters of Section 32  
SE NW of Section 32 reads southeast of the northwest quarter of Section 32

Should you have any questions or need assistance executing the document, please feel free to contact Pat Jordan at 307-777-7684.

Sincerely,



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

RL:PJ:b:52951.ltr

Enclosure

cc: Pat Jordan, WQD Bonding Specialist - w/encl., copy of bond  
UIC Permit File 95-277

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

MEMORANDUM

**RE: GENERAL BONDING INSTRUCTIONS**

The following bonding methods are presently accepted by the Water Quality Division to meet bonding requirements. Please contact the Water Quality Division for further information.

1. Corporate Surety Bonds executed with a Surety or Fidelity Corporation licensed to do business in the State of Wyoming. The Surety will charge the applicant a premium for the bond. Only bonds and riders executed on forms supplied by the Division will be accepted.

2. Federally insured Automatically Renewable Certificates of Deposit made payable solely to the Wyoming Department of Environmental Quality, Water Quality Division. A certificate made payable to the Department "and/or" the purchaser is not acceptable. Interest is made payable to the purchaser. At the time of the C.D. purchase, the company or individual purchasing the C.D. should arrange with the bank to have the interest earned deposited in their account. Interest checks, statements, and IRS statements should be mailed to the purchaser's address. Submit the certificate to the Water Quality Division for deposit with the State Treasurer. We do not accept C.D.'s which allow the bank to redeem the certificate after giving notice to the Department. The department cannot accept a C.D. in an amount greater than \$100,000 due to the FDIC insurance limitations. If the amount of the bond required exceeds \$100,000, C.D.'s must be purchased from separate banks with each C.D. being in an amount less than \$100,000.

3. U.S. Treasury Bonds, Bills, or Notes may be sent to the Water Quality Division for deposit with the State Treasurer.

4. Cash may be sent to the Water Quality Division for deposit with the State Treasurer. No interest is paid on cash deposited with the State Treasurer to meet bonding requirements. Use of a cashier's or certified check will expedite the permitting process.

5. Letters of Credit, payable to the Department of Environmental Quality, Water Quality Division, must be issued by a bank organized to do business in the U.S. The bank must appoint or maintain an agent in the State of Wyoming, upon whom any process, notice or demand required or permitted by law to be served upon the bank may be served. See Chapter XIV of the Water Quality Division Rules and Regulations for the conditions and language required in the text of the Letter of Credit.

6. One may apply for self-bonding by submitting an Initial Application to self-bond. See Chapter XIV of the Water Quality Division Rules and Regulations for specific information about self-bonding. Please contact the Water Quality Division for further information and the necessary forms.

7. A combination of the above may be submitted.

Office of  
The Wyoming Department of Environmental Quality  
Cheyenne, Wyoming 82002

MEMORANDUM

**RE: Wyoming Environmental Quality Act - Form and Execution Requirements of Bonds**

These statements refer to all **surety bonds**. Surety bonds must be executed by an insurance company holding surety license with the Department of Insurance, State of Wyoming.

1. **Only bonds submitted on the forms supplied by the department are acceptable (legal size, back-to-back).** Forms are updated periodically; please contact the Water Quality Division to ensure you have current forms. The original forms must be submitted intact; pages may not be removed or separated.
2. Please ensure that all corporate, surety, and notary seals are affixed and legible. Please use the darkest ink possible for stamped seals.
3. No alterations can be made to the bond. Corrections, cross-overs, use of correction fluid, etc. are not acceptable.
4. The legal capacity of the principal must be stated in the caption of the bond (i.e., corporation, partnership, sole proprietorship, limited liability co., etc.).
5. If the proposed operator is a corporation, the person who signs on behalf of the corporation must identify his/her title or office. Also, please attach to the bond written evidence of his/her authority to sign the bond. This is necessary even if the signatory is the president of the corporation. Such evidence must include a certified copy of the bylaw or resolution which clearly recites the signatory's authority to sign the bond, or grant a power of attorney to sign the bond. If the signatory is relying on a power of attorney, the executed power of attorney must be attached. Please ensure the certificate is dated the same day the signatory signed the bond or later, so we have evidence the authority was valid on the day the bond was signed. We will provide a sample certificate upon request.
6. If the principal is a partnership, the partnership name must appear in the caption of the bond.
  - a. Limited partnerships - must be signed by the managing general partner.
  - b. General partnership - at least one partner's signature is required.

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
CHEYENNE, WY 82002

RECLAMATION PERFORMANCE BOND  
COVERING CLOSURE, POST-CLOSURE, MONITORING,  
PLUGGING AND ABANDONMENT ACTIVITIES  
CLASS I NON-HAZARDOUS INJECTION WELLS

Bond No. \_\_\_\_\_

Know all men by these presents, that we the undersigned, \_\_\_\_\_

(State name and form of business organization of the Applicant)

duly authorized to do business in the State of Wyoming, AS PRINCIPAL, and \_\_\_\_\_

a corporation organized and existing under the laws of Wyoming, AS SURETY, are held and firmly bound unto the State of Wyoming in the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), lawful money of the United States, to be paid to the State of Wyoming upon order of forfeiture by the Environmental Quality Council, for the payment of which sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Whereas, the Department of Environmental Quality, Water Quality Division, issued Permit Number UIC and dated \_\_\_\_\_, pursuant to the application of the Principal,

Whereas, Check one of the following:

- (a)  This is an original bond,
- (b)  This is a bond in addition to previous bond(s) for the above mentioned permit and which bond(s) remain(s) in full force and effect,
- (c)  This is a replacement bond for:
- |     |                                   |                                |
|-----|-----------------------------------|--------------------------------|
| (1) | Bond Number _____<br>Surety _____ | Principal _____<br>Dated _____ |
| (2) | Bond Number _____<br>Surety _____ | Principal _____<br>Dated _____ |
| (3) | Bond Number _____<br>Surety _____ | Principal _____<br>Dated _____ |

Whereas, said bond(s) shall cover any and all land affected or to be affected by the operation under the above mentioned permit, since the date of issuance of the permit, upon the following described land, as given within said permit,

PRINCIPAL

Signed and executed this \_\_\_ day of \_\_\_\_\_, 19\_\_:

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

(Corporate Seal)

State of \_\_\_\_\_ )

) SS.

County of \_\_\_\_\_ )

The foregoing instrument was acknowledged before me by \_\_\_\_\_  
this \_\_\_ day of \_\_\_\_\_, 19\_\_.

Witness my hand and official seal.

\_\_\_\_\_  
(Notary Public or other authorized officer)

My Commission Expires: \_\_\_\_\_

SURETY

Signed and executed this \_\_\_ day of \_\_\_\_\_, 19\_\_:

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

(Corporate Seal)

State of \_\_\_\_\_ )

) SS.

County of \_\_\_\_\_ )

The foregoing instrument was acknowledged before me by \_\_\_\_\_  
this \_\_\_ day of \_\_\_\_\_, 19\_\_.

Witness my hand and official seal.

\_\_\_\_\_  
(Notary Public or other authorized officer)

My Commission Expires: \_\_\_\_\_

RESIDENT AGENT FOR SERVICE

Resident Agent: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

\_\_\_\_\_ Address: \_\_\_\_\_  
(Printed Name)

Approved as to form and execution:  
\_\_\_\_\_



81 Wyman Street  
P.O. Box 9046  
Waltham, MA 02254-9046  
(617) 622-1500  
Fax: (617) 622-1296

June 23, 1995

Mr. Robert Lucht, P.E., UIC Program Supervisor  
Wyoming Department of Environmental Quality  
Water Quality Division  
Herschler Building  
122 West 25th Street  
Cheyenne, Wyoming 82002

**RECEIVED**

**JUN 26 1995**

**WATER QUALITY DIVISION  
WYOMING**

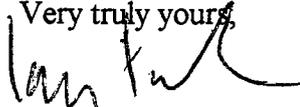
Subject: Reclamation Performance Bond No. 8143-72-63

Reference: KFx Fuel Partners, L.P., Waste Water Disposal Permit Application  
Campbell County

Dear Mr. Lucht:

Enclosed please find the subject bond which was not available at the time the permit was submitted. Sorry if this caused you any inconvenience.

Very truly yours,



Larry Fishman

7/7/95

Res. agent ok with ins.  
Commissioner's off

Both Corporation + L.P.  
reg. + good standing with  
see of State  
UIC Permit No.

95-277

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
CHEYENNE, WY 82002

RECLAMATION PERFORMANCE BOND  
COVERING CLOSURE, POST-CLOSURE, MONITORING,  
PLUGGING AND ABANDONMENT ACTIVITIES  
CLASS I NON-HAZARDOUS INJECTION WELLS

Bond No. 8143-72-63

Know all men by these presents, that we the undersigned, THERMO ECOTEK CORPORATION,  
81 Wyman St., Waltham, MA 02254, a Massachusetts Corporation,  
(State name and form of business organization of the Applicant)  
duly authorized to do business in the State of Wyoming, AS PRINCIPAL, and FEDERAL INSURANCE  
COMPANY, 890 Mountain Ave., New Providence, NJ 07974  
a corporation organized and existing under the laws of Wyoming, AS SURETY, are held and firmly bound unto the State  
of Wyoming in the sum of SEVENTY FIVE THOUSAND AND NO/100  
Dollars (\$ 75,000.00), lawful money of the United States, to be paid to the State of Wyoming upon  
order of forfeiture by the Environmental Quality Council, for the payment of which sum, well and truly to be made, we  
heretby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Whereas, the Department of Environmental Quality, Water Quality Division, issued Permit Number UIC 95-277  
and dated \_\_\_\_\_, pursuant to the application of the Principal,

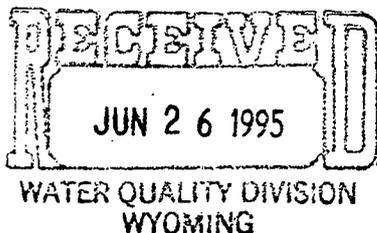
Whereas, Check one of the following:

- (a)  This is an original bond.
- (b)  This is a bond in addition to previous bond(s) for the above mentioned permit and which bond(s) remain(s) in full force and effect.
- (c)  This is a replacement bond for:
  - (1) Bond Number \_\_\_\_\_ Principal \_\_\_\_\_  
Surety \_\_\_\_\_ Dated \_\_\_\_\_
  - (2) Bond Number \_\_\_\_\_ Principal \_\_\_\_\_  
Surety \_\_\_\_\_ Dated \_\_\_\_\_
  - (3) Bond Number \_\_\_\_\_ Principal \_\_\_\_\_  
Surety \_\_\_\_\_ Dated \_\_\_\_\_

Whereas, said bond(s) shall cover any and all land affected or to be affected by the operation under the above mentioned permit, since the date of issuance of the permit, upon the following described land, as given within said permit,

Location: T 51 N, R 71 W, Section 32 which is located in Campbell County, Wyoming. The wells will be located SE-NW of Section 32, NE-NE-NE of Sec. 32 and SE-NE-SE of Section 32.

Now, therefore, the conditions of the obligation are such that, this bond shall remain in full force and effect until either released or forfeited pursuant to the provisions of the Wyoming Environmental Quality Act and the rules and regulations adopted pursuant to that Act.



**POWER OF ATTORNEY  
FEDERAL INSURANCE COMPANY  
ATTN: SURETY DEPARTMENT**

15 Mountain View Road, Warren, NJ 07059  
(908) 580-2000

Know all Men by these Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana Corporation, has constituted and appointed, and does hereby constitute and appoint Virginia M. Tighe, Stephen W. Grant, Gina M. DeLuca, Richard A. Saul, Jr., Karen L. Zern and Diane M. Kelly of Boston, Massachusetts -----

each its true and lawful Attorney-in-Fact to execute under such designation in its name and to affix its corporate seal to and deliver for and on its behalf as surety thereon or otherwise, bonds of any of the following classes, to-wit:

1. Bonds and Undertakings (other than Bail Bonds) filed in any suit, matter or proceeding in any Court, or filed with any Sheriff or Magistrate, for the doing or not doing of anything specified in such Bond or Undertaking.
2. Surety bonds to the United States of America or any agency thereof, including those required or permitted under the laws or regulations relating to Customs or Internal Revenue; License and Permit Bonds or other indemnity bonds under the laws, ordinances or regulations of any State, City, Town, Village, Board or other body or organization, public or private; bonds to Transportation Companies, Lost Instrument bonds; Lease bonds, Workers' Compensation bonds, Miscellaneous Surety bonds and bonds on behalf of Notaries Public, Sheriffs, Deputy Sheriffs and similar public officials.
3. Bonds on behalf of contractors in connection with bids, proposals or contracts.

In Witness Whereof, the said **FEDERAL INSURANCE COMPANY** has, pursuant to its By-Laws, caused these presents to be signed by its Vice President and Assistant Secretary and its corporate seal to be hereto affixed this 20th day of December 19 93

Corporate Seal



*Kenneth C. Wendel*  
Kenneth C. Wendel

Assistant Secretary

**FEDERAL INSURANCE COMPANY**  
BY

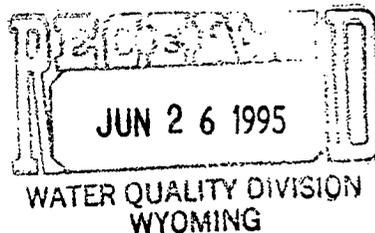
*Gerardo G. Mauriz*  
Gerardo G. Mauriz

Vice President

STATE OF NEW JERSEY }  
County of Somerset } ss.

On this 20th day of December 19 93, before me personally came Kenneth C. Wendel to me known and by me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, the corporation described in and which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY** and knows the corporate seal thereof; that the seal affixed to the foregoing Power of Attorney is such corporate seal and was thereto affixed by authority of the By-Laws of said Company, and that he signed said Power of Attorney as Assistant Secretary of said Company by like authority; and that he is acquainted with Gerardo G. Mauriz and knows him to be the Vice President of said Company, and that the signature of said Gerardo G. Mauriz subscribed to said Power of Attorney is in the genuine handwriting of said Gerardo G. Mauriz and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Notarial Seal



Acknowledged and Sworn to before me  
on the date above written.

*Janet A. Scarnone*  
Notary Public

CERTIFICATION

STATE OF NEW JERSEY }  
County of Somerset } ss.

I, the undersigned, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, do hereby certify that the following is a true excerpt from the By-Laws of the said Company as adopted by its Board of Directors on March 2, 1990 and that this By-Law is in full force and effect.

"ARTICLE XVIII.

Section 2. All bonds, undertakings, contracts and other instruments other than as above for and on behalf of the Company which it is authorized by law or its charter to execute, may and shall be executed in the name and on behalf of the Company either by the Chairman or the Vice Chairman or the President or a Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations, except that any one or more officers or attorneys-in-fact designated in any resolution of the Board of Directors or the Executive Committee, or in any power of attorney executed as provided for in Section 3 below, may execute any such bond, undertaking or other obligation as provided in such resolution or power of attorney.

Section 3. All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the Vice Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, Vice Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I further certify that said **FEDERAL INSURANCE COMPANY** is duly licensed to transact fidelity and surety business in each of the States of the United States of America, District of Columbia, Puerto Rico, and each of the Provinces of Canada with the exception of Prince Edward Island; and is also duly licensed to become sole surety on bonds, undertakings, etc., permitted or required by law.

I, the undersigned Assistant Secretary of **FEDERAL INSURANCE COMPANY**, do hereby certify that the foregoing Power of Attorney is in full force and effect.

Given under my hand and the seal of said Company at Warren, N.J., this 14th day of June, 1995.

Corporate Seal



*[Handwritten Signature]*  
Assistant Secretary

Bond No. 8143-72-63

**PRINCIPAL**

Signed and executed this 23 day of June, 1995.

THERMO ECOTEK CORPORATION

BY: Brian D. Holt

TITLE: President

(Corporate Seal)

State of Massachusetts )

) SS.

County of Middlesex )

The foregoing instrument was acknowledged before me by Brian Holt  
this 23 day of June, 1995

Witness my hand and official seal.

Arnold R. Wallenstein  
(Notary Public or other authorized officer)

Commonwealth of Massachusetts  
Arnold R. Wallenstein  
Notary Public

My Commission Expires: 10/14/97

**SURETY**

Signed and executed this 14th day of June, 1995:

FEDERAL INSURANCE COMPANY

BY: Karen L. Zern

Karen L. Zern

TITLE: Attorney-In-Fact

(Corporate Seal)

State of Massachusetts )

) SS.

County of Suffolk )

The foregoing instrument was acknowledged before me by Karen L. Zern  
this 14th day of June, 1995

Witness my hand and official seal.

Sandra C. Hamblin  
(Notary Public or other authorized officer)  
Sandra C. Hamblin

My Commission Expires: January 26, 2001

**RESIDENT AGENT FOR SERVICE**

Resident Agent:

Darby J. Nabors  
(Signature)

Date: 6-21-95

COUNTERSIGNED  
FOR STATE OF WYOMING  
DARBY J. NABORS  
(Printed Name)  
ED MURRAY & SONS  
P. O. BOX 1388 - CHEYENNE  
LARAMIE COUNTY

Address: Ed Murray & Sons  
123 E. 17th Street  
Cheyenne, Wyoming 82001

Approved as to form and execution:

Attorney General

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

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: KFx FUEL PARTNERS, INJECTION SYSTEM

ENGINEER: JOHN LUCHETTA

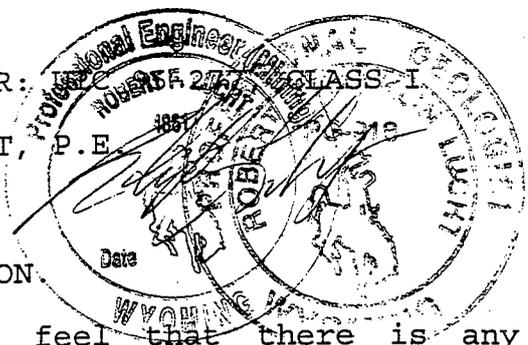
APPLICANT: KFx FUEL PARTNERS, L.P.

WATER QUALITY DIVISION REFERENCE NUMBER: CLASS 1

REVIEWING ENGINEER: ROBERT F. LUCHT, P.E.

DATE OF REVIEW: 07/21/1995

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.



COMMENTS: At this time, I do not feel that there is any justification to change any part of the draft permit as written. The following item by item review of KFx's response to the first and second reviews of this permit explain why. This agency is open to discuss further many of the proposals brought up in your response.

The following numbered items refer to the same numbers on the first permit review, dated June 26, 1995.

1. The Secretary of State has issued certificates indicating that KFx Fuel Partners, L.P., and Thermo Ecoteck Corporation are licensed to do business in Wyoming. No further response is required.
2. Just as a matter of record, the problems with the bond have not yet been worked out. This agency cannot issue a permit until the bonding problem has been worked out. Since KFx has submitted a response to the bonding question including a bond, this agency will go ahead with the public notice period without this issue settled. KFx must be aware, however, that no permit will be issued until the bonding issue has been cleared up.
3. Your response concerning the size and location of the storage tanks ahead of the injection well is sufficient for the minimum requirements of this application, but not sufficient to allow these facilities to be constructed. Since the engineering work on these tanks has not yet been done, KFx will be required to obtain a permit to construct under Chapter III of the Water Quality Rules and Regulations prior to

constructing these tanks. Such a permit must include the size, exact location on plan sheets, and the secondary containment features to be incorporated into this construction. What is required is a set of actual construction plans which can be reviewed for compliance with applicable regulations. If the plans were available, then the construction of these tanks could be included in the UIC permit application, but this is not required. This proposal will require that the entire operation shut down any time that the injection system becomes non-operational for 8¼ hours.

4. Your response to this item is not detailed enough. What is needed is the exact type of pressure shutdown devices and what the proposed pressure shutdowns actually are. If necessary, this information can be submitted within 90 days of the construction of the first well under this permit.
5. This agency has received a letter from Felix Flechas of the EPA Region VIII, RCRA Division stating that this waste is Beville Amendment exempt waste. The UIC program has its own requirements for periodic monitoring of the discharge, whether the discharge is hazardous waste, non-hazardous waste, or exempt waste under RCRA. For this reason, the Water Quality Division will not modify the draft permit at this time. If there are specific parameters called for that are not appropriate to "characterize the waste", then we will be happy to eliminate specific parameters or to substitute other parameters which are more appropriate. Likewise, if there are some of these parameters where the upper control limits would be more appropriately set at higher levels, we will discuss what those levels should be. The question still remains unanswered from the first review: "Figure 4 shows analyses from four different points in the waste stream. Which of these analyses is typical of the waste to be injected?" Unless this question is answered, this agency will not have the data necessary to set UCL's appropriately and will err on the conservative side in every case.
6. Your response on the pressure recorders is acceptable for now. Within 90 days of construction of the first well under this permit, KFx shall submit a complete technical description of the monitoring devices installed.
7. Response acceptable
8. The response submitted is based on a total fracture gradient of .83 psi/ft of depth. This department cannot accept this number as a basis for the permit, since our experience with the Minnelusa Formation has been that fracture gradients never exceed .70 psi/ft. At the same time, the permit requires that

each well be tested for actual fracture pressure within 6 months of completion. The procedure you submitted included a step test during or immediately after completion. After that test, the pressure of injection is to be limited to 90% of the surface fracture pressure. That number, if you are right, will be higher than the 2,500 psig maximum pressure written into the draft permit. At this time, I see no reason to change the draft permit as written.

9. The new replacement diagram submitted as figure 9A brings up several additional questions:

a) How will the seal between the independent footings for the injection pumps and the slot drains in the concrete floor be sealed? The plan shows an independently poured footing for the pumps with a slot drain along the side. Presumably then there is a construction joint in the bottom of the slot drain.

b) What pressures is the two pen pressure recorder monitoring? Obviously, it is impractical to record annulus pressure at this central point using a Barton type chart recorder when the wells are thousands of feet away. How often is the injection plant to be checked during operation? Will the alarm shown on this figure alarm in the central control room or just locally in this room?

c) What is the need for a fresh water supply in this room? Is the fresh water supply well located in this room?

10. Reply acceptable.

11. Reply acceptable.

12. Reply acceptable.

13. The procedure you outlined does nothing to prevent a blowout on the surface if any hole should occur after abandonment between the base of the second stage cement job and the top of the first stage cement job. This agency is still open to consider alternate abandonment procedures, but leaving the pipe full of clear water from approximately 7,500 feet with no intervening plug except the surface plug is not acceptable. For now, the draft permit will not be changed, but could still be changed if you wish to make a further proposal. The proposal made would not even satisfy OGCC requirements.

14. Reply acceptable.
15. Reply acceptable.
16. Reply acceptable.

The following numbered items refer to the same numbers on the second permit review, dated June 27, 1995.

1. Reply acceptable.
2. In the event that radioactive tracer surveys are not available when the first subsequent five year mechanical integrity test is due, this agency will accept a substitute. Until that time, I see no reason to modify the draft permit language.

The following are Water Quality Division responses to your comments on the draft permit language:

Page 5, Item I: This agency is open to consider alternate monitoring plans, however, you have not given us anything to go on as far as how a pressure monitoring system will work. What is needed is a discussion of what the limits of accuracy of the pressure monitoring to be performed actually are, what conditions will cause a shutdown of the system, and how much leakage could conceivably occur before a shutdown would occur. At what pressure will a high pressure shutdown system function? At what pressure would a low pressure shutdown system function? Both of these questions will undoubtedly have different answers for each well. From the information submitted, none of these questions can be answered.

At this time, KFx has not even committed to the type of pressure gauges to be used, or to the exact type of shutdown to be used. This agency is open to allowing pressure to be used to trigger shutdown devices, but additional data is needed to allow the draft permit to be revised.

Page 9 N (Abandonment): See response to item 13 above.

RL/b/53209.ltr

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

(X) New  
( ) Modified

Permit Number: UIC 95-278R  
Subclass Number: 5W32

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations, Chapter III (March 28, 1988), and Chapter IX (September 4, 1980),

Applicant: North Christian Church  
5907 Syracuse Road  
Cheyenne, WY 82009  
(307) 632-2331

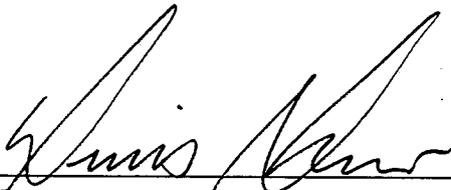
is authorized to operate the North Christian Church Wastewater Facility in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  and a portion of the N $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 17, Township 14 North, Range 66 West, of the 6th Principal Meridian; according to the procedures and conditions of application #95-278 and requirements and other conditions as found on pages 1 through 7 of this permit.

This permit shall become effective on date of issuance.



\_\_\_\_\_  
Administrator  
Water Quality Division  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002  
Phone: (307) 777-7781

7/3/96  
\_\_\_\_\_  
Date



\_\_\_\_\_  
Director  
Department of Environmental Quality  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002

7-3-96  
\_\_\_\_\_  
Date

## A. DISCHARGE ZONE AND AREA OF REVIEW

### Discharge Zone:

This injection facility (sanitary leachfield) is authorized to inject into the Ogallala Formation which is found at this location, and may be affected from zero to 25 feet below the ground surface.

### Area of Review

The facility authorized by this permit is located in:

Township 14 North, Range 66 West, 6th Principal Meridian

Section 17: NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  and a portion of the N $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$

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

Township 14 North, Range 66 West, 6th Principal Meridian

Section 17: SE $\frac{1}{4}$

## B. GROUNDWATER CLASSIFICATION

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

a. The groundwater in this formation meets all of the quality standards set forth in Chapter VIII for class I water;

and

b. The groundwater in this formation is presently used for domestic purposes.

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

## C. AUTHORIZED OPERATIONS

The permittee is authorized to inject 58.33 barrels per day, (2,450 gallons per day) of wastewater as described: Sanitary waste only from a church building with kitchen facilities. The permittee is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfield.

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

## D. ENVIRONMENTAL MONITORING PROGRAM FOR GROUNDWATERS OF THE STATE

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information to be retained for a period of at least 3 years after closure of the facility.

3. Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;
- b. The name(s) of individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. Names of individuals who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

4. The groundwater in the receiving formation shall be sampled and the following parameters analyzed on the following schedule and from the following wells.

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL)*
The two downgradient monitor wells of the following: MW-1, MW-2, MW-3	Semi-Annually	EPA 200 Series Methods	Cadmium	.010
			Chromium	.050
			Lead	.050
		EPA Method 350.3	Ammonia as N	.500
		EPA Method 353.2	Nitrate as N	10.0

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted. pH is always expressed in standard units and conductivity is expressed in mmhos/meter or umhos/cm. Prior to taking the above samples, the permittee shall monitor the static water level in all wells to determine which wells are the downgradient wells. The results of those measurements shall be reported along with the sampling results.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. In the event that any of the above UCL's are exceeded, the permittee shall immediately sample all three wells for Total Coliform Bacteria. After the first two years of operation, the Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter from the above list or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also, after the first two years of operation, approve a more or less stringent monitoring schedule.

At baseline, all of the above monitor wells were dry. The permittee shall monitor these wells for the presence of water on a quarterly basis. As long as these wells remain dry, then groundwater analyses will not be required.

**E. REQUIREMENTS FOR MONITORING THE DISCHARGE**

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

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL) *
Semi-Annually in May and October	EPA 200 Series Methods	Cadmium	.010
		Chromium	.050
		Lead	.050
	EPA Method 420.1	Total Phenols	.250
	EPA Method 350.3	Ammonia as N	50.0
Annually	EPA Method 624	Purgeable Aromatic and Halogenated Hydrocarbons	Federal Drinking Water MCL's

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted. pH is always expressed in standard units and conductivity is expressed in mmhos/meter or umhos/cm.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. In the event that any contaminant is found to exceed the above UCL's the permittee shall undertake a study to determine and eliminate the source of that contaminant from the waste stream. Any parameter found to be exceeding the above UCL shall be sampled for in the downgradient wells if not already sampled for. The permittee shall sample the downgradient wells within 30 days of the date that he becomes aware of any exceedance of the above UCL's. After the first two years of operation, the Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter from the above list or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also, after the first two years of operation, approve a more or less stringent monitoring schedule.

## F. RECORDS AND REPORTS

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.
2. The permittee shall give notice to the administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.
4. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state.

- b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable groundwaters of the state.

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

5. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 4. above.
6. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the administrator, it shall promptly submit such facts or information.
7. The permittee shall retain all records concerning the nature and composition of injected fluids until 5 years after completion of any specified abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
8. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a groundwater pollution control permit has been issued by the department for the proposed operation, and:
  - a. Well construction is complete and the permittee has submitted notice of completion of construction to the administrator,
  - b. The administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the administrator of intent to inspect or otherwise review the facility within 13 days of the notice of a. above, in which case prior inspection or review is waived, and
9. The semi-annual report of operations for this facility shall be submitted on forms provided by the department and shall include the following information:
  - a. Any permit exceedances within the previous six months.
  - b. The analytical results for sampling for the injected water and any groundwater sampling results required under Section D or E of this permit.
  - c. Semi-annual reports are due in the Cheyenne office of the Water Quality Division no later than July 1 and December 1 of each year.
10. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the administrator within 30 days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

## G. GENERAL PERMIT CONDITIONS

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

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

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

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued. A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the council. This permit can be terminated by authority of the administrator for one or more permit violations.

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

Any permit noncompliance constitutes a violation of the permit.

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

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

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.

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

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

## H. DUTIES OF THE PERMITTEE

It is a duty of the permittee to:

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

3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit; and
4. Furnish to the administrator within a reasonable time, any information which the administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the administrator, upon request, copies of records required to be kept by this permit.

#### I. SPECIAL MEASURES THE DIRECTOR FINDS NECESSARY:

In the event that sewage is found to be surfacing from the leachfield covered by this permit, this is a violation of this permit and shall be reported immediately as required by Section F of this permit. In the event that the leachfield covered by this permit should fail, it is not necessary to modify this permit to allow for the replacement leachfield shown on the plan sheet included with the application to be installed, so long as the construction specifications remain the same. The permittee shall notify the department, and replace the leachfield within 90 days of determining that the primary leachfield has failed.

#### J. SIGNATORIES REQUIREMENT

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

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

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

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

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

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

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

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

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

THE STATE



OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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November 13, 1995

Mr. Lewis Waldron, Jr.  
Chairman, Board of Elders  
North Christian Church  
5907 Syracuse Road  
Cheyenne, WY 82009

RE: Sanitary Leachfield  
Permit: UIC 95-278R  
Laramie County, Wyoming

Dear Mr. Waldron:

This department has now received a response to our comments on your application for an underground injection control permit for the leachfield located at your proposed new church building in the Christian Heights Subdivision. Your responses appear to be appropriate for the concerns noted. Changes were made in some of the plans in response to these comments. Changes have now been made in response to your engineer's comments on the draft permit. When the monitor wells have been installed in conformance with the statements made by your engineer, this permit will be issued without public notice if the following condition is met:

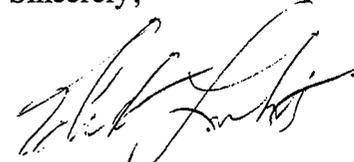
1. The initial hydrologic investigation does not show that the gradient is directly toward any of the wells shown on your well study.

If the gradient is found to be toward any of the wells shown on the well study which are within one quarter mile radius, this department will have to provide public notice for thirty (30) days prior to issuing the permit.

Mr. Waldron  
November 13, 1995  
Page 2

The monitor wells required for this study must be installed according to standards found in Chapter XI, Part G, Wyoming Water Quality Rules and Regulations. This includes provisions for sand packing the perforated interval, a clay surface seal, and a concrete seal at the very top of the well. These wells can be 2" in diameter or larger and can be installed with PVC pipe. The top of the well can be completed with a 36" stand pipe of steel with a locking cap, or a standard flush mounting can be used to allow these wells to fit in with the landscaping of the site.

Sincerely,



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

RFL/bb/55158.ltr

cc: Peter Hutchinson, P.E. and L.S.  
Intermountain Professional Services, Inc.  
5801 Osage Avenue  
Cheyenne, WY 82009

Sylvie Rupp Glass, Architect  
Davis and Glass, Architect, LC  
208 Annabel  
Fort Collins, Colorado 80525-2547

Gary Steele, SE District Engineer

RF

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

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: North Christian Church

ENGINEER: Intermountain Professional Services, Inc. Peter J. Hutchison, P.E. 707

APPLICANT: North Christian Church, 5907 Syracuse Road, Cheyenne, WY 82009

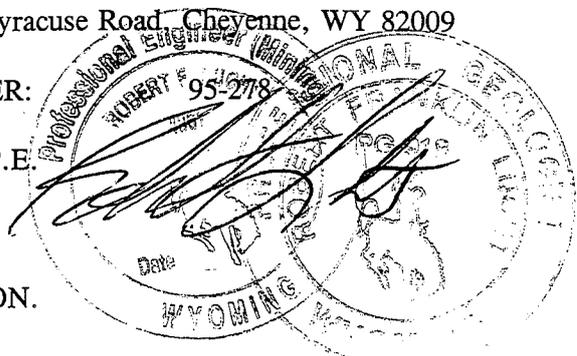
WATER QUALITY DIVISION REFERENCE NUMBER:

REVIEWING ENGINEER: ROBERT F. LUCHT, P.E.

DATE OF REVIEW: July 10, 1995

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:



1. Intermountain has not submitted a design for a monitor well, implying that no monitoring of the groundwater will be done. The justification for not monitoring the groundwater is that the static water level in one well was 123 feet below ground surface. In fact, this one static water level does not imply that this is the highest water level encountered, but rather that this is the stabilized water level for a well drilled to the same depth. In fact, a well drilled to less than 123 feet may show a static water level of its own. The notation that bedrock was not encountered in the drilling of the individual well is incorrect. Bedrock, in this case, the Ogallala aquifer, can be expected to be encountered anywhere from a few feet to a few tens of feet from the surface. The Ogallala Formation is a bedrock formation but it is difficult to differentiate from its weathered soil regolith in drilling. Just because the Ogallala is a relatively soft formation does not mean that it is not bedrock. How deep were the test holes that failed to detect groundwater?
2. Has any groundwater study been done in conjunction with this permit? If not, then Chapter III, Section 15 requires that a groundwater study be conducted.
3. The plan submitted includes an engineering design report. Chapter XI, Section 40(c) requires that, for systems over 2,000 gallons per day, all requirements of Part B, Chapter XI be met. No information has been provided to determine compliance with Part B. This includes, but is not limited to: specifications of the pipe for compliance with Chapter XI, Section 9(b) and information on the lift station for compliance with Chapter XI, Section 9(c)(ii).
4. How was the site chosen for this leachfield? Chapter XI, Section 36(c)(iii) requires that the maximum height of the groundwater mound be estimated by the engineer. No such calculation was included. The separation between the domestic use wells and the septic leachfield must be maintained based on the hydrologic calculations above. Separation must also be maintained

between the proposed replacement area and the domestic use wells. What is the depth and perforated interval for the domestic use well (Permit UW 99184) on this location? What is the quality of water produced by those wells? The groundwater study must include not only the mounding effects in the leachfield but also the drawdown effects in the domestic use wells.

5. The design submitted for the Standard Bed Type soil absorption system will not provide for even distribution of the effluent as stated on page 3 of the application. Using the design submitted, the sections of the leachfield closest to the influent will take water preferentially over the sections farther away. The distribution box should be designed so that each leg of the leachfield receives a proportional share of the total flow.
6. What other property owners in the immediate area use groundwater as a source of drinking water? The applicant should provide the locations, depths, perforated intervals, and static water levels for wells within a ¼ mile radius of this system.
7. This department will have to request that the Laramie County Environmental Health Dept. issue a 201 area exemption for this project.

RL/nc 53042.LTR

# PERMIT TO CONSTRUCT

X New  
Renewal  
- Modified

PERMIT NO. 95-279  
SPECIAL CONDITIONS

## Winkler Septic Tank/Leach Field

This permit hereby authorizes the applicant:

Justin and Toni Winkler  
P.O. Box 805  
Greybull, WY 82426

to construct a septic tank/leach field to serve a three bedroom residence according to the procedures and conditions of the application number 95-279. The facility is located in Sec. 3, T52N, R94W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-3-95  
Date of Issuance

JH/anc  
b/52812.ltr

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-279

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. YES

B. Chapter XII. NO

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

YES

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

NO

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

NO

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VI. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Supervisor, and completed on June 27, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JH/b/52812.ltr

# PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-280  
SPECIAL CONDITIONS

## Fink Residential Wastewater Treatment Facility

This permit hereby authorizes the applicant:

Mike Fink  
138 Washakie Avenue  
Lovell, WY 82431

to construct a septic tank/leach field to serve a four bedroom residence according to the procedures and conditions of the application number 95-280. The facility is located in Lot 76B, Resurvey or Section 22, T56N, R96W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

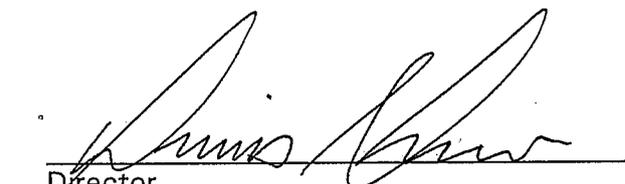
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-3-95  
Date of Issuance

JH/anc  
b/52813.ltr

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-280
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. YES
- B. Chapter XII. NO
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- YES
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- NO
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- NO
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- N/A
- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
- N/A

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VI. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Supervisor, and completed on June 28, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JH/b/52813.ltr

# PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-281  
SPECIAL CONDITIONS

## Town of Glenrock - Fort Laramie St. Watermain Replacement

This permit hereby authorizes the applicant:

Town of Glenrock  
P.O. Box 417  
Glenrock, Wyoming 82637

to construct, install or modify a watermain replacement according to the procedures and conditions of the application number 95-281. The facility is located in the NW 1/4 of Section 3 and the NE 1/4 of Section 4, T33N, R75W in the county of Converse, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1 of 6. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.

2 of 6. The applicant will provide immediate oral and/or written notice to the Southeast District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 6. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District office on the form provided (CERTIFICATION OF COMPLETION), the following information:

- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 6. Water and Sewer Crossings - Standard Note (8) on the cover sheet of the plans is not quite complete. Therefore, standard note (8) shall be modified (changes underlined) as follows:

(8) Wherever new water line crosses above sanitary sewer or storm sewer with less than 18" of vertical clearance between the pipe, one of the pipes shall be cased in conduit pipe. Wherever new water line crosses below sanitary sewer or storm sewer, no matter what the vertical clearance between the pipes is, one of the pipes shall be cased in conduit pipe. Conduit shall be SDR 35 PVC and shall be 20' long, centered on the pipe crossing point.

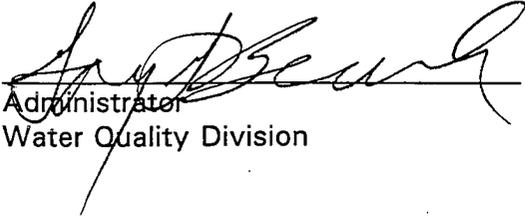
5 of 6. As-Constructed Drawings May Be Required - Because this project is a replacement/repair, and because the details of the individual water/sewer and water/storm sewer crossings are not specified in the plans, the following conditional requirement is hereby imposed:

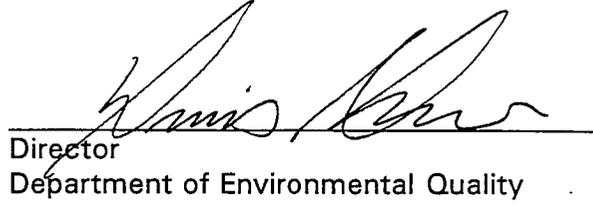
If any circumstances are encountered during construction which require the encasement of either a water or sewer line in conduit pipe as described in condition 4 of 6 above, then as-constructed plans of the completed project (with special attention to the details of all water and sewer or storm sewer crossings) will be required. Therefore, under these circumstances, within 60 days of completion of this project as-constructed plans shall be submitted to the Water Quality Division for review of compliance with the rules and regulations and the permit conditions.

If no such situations are encountered, then as-constructed plans are not required.

6 of 6. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-17-95  
\_\_\_\_\_  
Date of Issuance

RLE/nc 53056.LTR

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-281

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

NO

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

NO

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. Deleted

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on July 14, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RLE/nc 53056.LTR

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

AS-BUILT  
PERMIT TO CONSTRUCT

New  
Renewal  
 Modified

PERMIT NO. 95-282  
SPECIAL CONDITIONS  
REF/PERMIT #93-428

Burns Brothers Travel Stop (Infiltration Ditch)

This permit hereby authorizes the applicant:

Burns Brothers, Inc  
516 SW Morrison, Suite 1200  
Portland, OR 97214

to construct a rapid infiltration ditch for domestic wastewater disposal according to the procedures and conditions of the application number 95-282. The facility is located in SW 1/4 Section 23, T14N, R64W in the county of Laramie, in the State of Wyoming.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 2 of 4 The volume of wastewater discharged to the infiltration ditch shall be the minimum amount necessary to lower the operating level of the lagoons to 2.3 feet.
- 3 of 4 This permit is for the construction and operation of the infiltration ditch and is for the emergency removal of excess wastewater in the wastewater lagoons. The infiltration ditch is to be operated only on a one time emergency basis to allow the water level in the lagoons to be drawn down as requested. A permanent solution to the high water level problems has been permitted and the drawdown of the lagoons at this time is being allowed as an interim measure so that a land application sprinkler system can be constructed and placed on line. The land application system is expected to be completed by the end of the summer.
- 4 of 4 All construction, monitoring, and operation requirements required by Permit to Construct 93-428 shall be adhered to for the duration of this permit.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-13-95  
Date of Issuance

GLS/b/52983.ltr

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-282
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- N/A
- B. Briefly state the basis for the deviation.
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Applicable

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

- A. Facility will not allow a discharge to groundwater. Briefly describe:

N/A

- B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

The proposed infiltration ditch will allow discharge to groundwater by infiltration through approximately 100 feet of soil strata.

The wastewater was tested and data submitted which indicates that the discharge will not cause a violation of groundwater standards except for TDS. The test results did show that the TDS value (990 mg/l) in the wastewater is above the State Standards. The engineer has, however, indicated that due to the low flow rate of wastewater into the aquifer and by dispersion and dilution the discharge impact will only affect the immediate area of the discharge and will not impact any wells in the area.

- C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

N/A

- D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

N/A

- E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

N/A

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

- F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

The engineer submitted a map indicating the direction of the groundwater gradient which shows that the existing wells in the area will not be affected.

- G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

The permittee will be required to test the wastewater monthly during the discharge operation. If test data shows that the wastewater will create a groundwater violation, the permittee is required to stop discharging to the infiltration ditch and to notify Wyoming Department of Environmental Quality.

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on July 11, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/b/52983.ltr

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-283  
SPECIAL CONDITIONS

### Mountain Cement #3 (Leach Field Replacement)

This permit hereby authorizes the applicant:

Mountain Cement Company  
5 Sand Creek Road  
Laramie, WY 82070

to install a replacement leachfield for an existing septic system to dispose of domestic waste only according to the procedures and conditions of the application number 95-283. The facility is located in SE 1/4 Section 17, T15N, R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

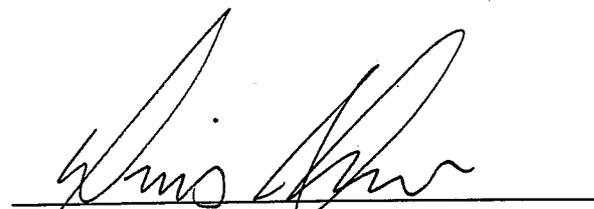
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral and/or written notice to Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 5. The permittee shall notify the City of Laramie/Albany County Sanitarian at least (2) days prior to installation of this system to arrange for required inspections. Inspection of the installed system is required prior to backfilling. The Laramie/Albany County Planning office requires a fee for these inspection services. Their offices are located at 405 Grand Ave, Laramie, WY 82070; or they can be reached by phone at (307) 721-5283

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-13-95  
\_\_\_\_\_  
Date of Issuance

GLS/nc 52963.LTR  
cc: Albany County Planning Office

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-283

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

N/A

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on July 11, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/nc 52963.LTR

THE STATE



OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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October 26, 1995

John Meldrum  
Burlington Northern Railroad  
373 Inverness Dr. South  
Englewood, CO 80112

**RE: BNRR Casper Yard.**

June 16, 1995 Letter: Response to Comments and Proposed Workplan, Permit No. 95-284.

July 20, 1995 Letter: Modifications to June 1995 Workplan.

Permit No. 95-284

Dear Mr. Meldrum:

The Water Quality Division/Groundwater Pollution Control (GPC) program has reviewed the referenced report. Comments and requirements are summarized on the enclosed (GPC) Program review form. The enclosed Permit to Construct authorizes BNRR to perform the subsurface investigation. Please contact me directly should you have any questions about this review. Please submit future correspondence to WDEQ/WQD, Cheyenne.

Sincerely,

*Phillip Stump*  
Phillip Stump, P.E.  
Senior Environmental Analyst  
Water Quality Division

PS/nc 54350.LTR

Enclosures: Groundwater Pollution Control Program Review Form  
Chapter III Permit to Construct

xc: Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne  
Lynda Fivas, WQD/Casper  
IPS Section, Cheyenne  
Bruce Henry & Lisa Korner, Parsons Engineering Science, Inc.

ps: f:.....\pstump\bnrr\BNRR.RV2

**GROUNDWATER POLLUTION CONTROL PROGRAM**  
**REVIEW COMMENTS:**  
**PLANS/SPECIFICATIONS/PROPOSALS/REPORTS**

**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

**PROJECT:** BNRR Railyard - Casper, WY

**APPLICANT:** John Meldrum  
Burlington Northern Railroad  
373 Inverness Drive South  
Englewood, CO 80112

**APPLICANT'S  
CONSULTANT:** Lisa Korner & Bruce Henry  
Engineering-Science, Inc.  
1700 Broadway, Suite 900  
Denver, CO 80290  
(303)831-8100

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 95-284

EXISTING       NEW       AS BUILT

**TITLE:** Report of Results of Groundwater Monitoring and Sampling at the Burlington Northern Railroad Casper Yard, Casper Wyoming

PLANS       SPECS       PROPOSAL       REPORT

**DATE ON PROPOSAL/PLANS/REPORT:** June 16, 1995  
July 20, 1995

**IS THIS PROPOSAL SUBMITTED PURSUANT TO:**

'CONDITIONS' TO ANY WQD PERMIT?       NO       YES

AN LOV, NOV OR OTHER ENFORCEMENT?       NO       YES

**REVIEWING PERSONNEL:** Phillip Stump, Senior Environmental Analyst

**DATE OF THIS REVIEW:** October 26, 1995

**ACTION:** AUTHORIZED FOR CONSTRUCTION

I. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

The Department of Environmental Quality, Water Quality Division (WDEQ/WQD), has completed its review of the "Response to Comments and Proposed Workplan" dated June 16, 1995 and the "Modifications to June 1995 Workplan" dated July 20, 1995. WDEQ's conclusions of the adequacy of work to be completed are as follows:

- A. Although the extent of the free product is to be defined northeast of CY-MW3 with the installation of MW-14, the horizontal extent of the plume north of CY-MW12 has not been defined. The extent of the plume area to the southeast will be delineated with respect to the existing chlorinated solvent plume by the installation of MW-15. Subsequent monitoring of MW-14 and MW-15 will help in tracking the movement of the free product plume.
- B. WDEQ/WQD is very concerned that the migration of free product has not been controlled. Free product that appears to be weathered diesel has been detected on the groundwater downgradient from known BNRR sources. It is apparent that changes in the water table significantly affect the size and thickness of the free product plume area as detected in the monitoring wells.
- C. Please provide details of the A.E. Chandler Bulk Oil Station (leased property) investigations of the sources of soil contamination detected in soil borings (HC-10 and HC-11). WDEQ acknowledges that this site is not part of the present investigation being completed by Parson Engineering Science (Parsons ES), but please keep WDEQ/WQD informed about the status of this property.

II. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

- A. The WQD UST/LUST Program has completed two rounds of sampling at the AMOCO and former Chevron Station located northwest of the railyard along North Center Street. Please contact Lynda Fivas, WQD/Casper (307-473-3466), about any additional questions that you may have about this sampling. Amoco's and Chevron's monitoring wells (i.e., including OW-1) are also being resurveyed to enable mapping of the water table. Please provide sampling data in electronic CAD/CAM format (i.e., locational coordinates of monitoring wells, static water levels, etc.) to aid in analyzing this area on the northeast side of the railyard.
- B. WDEQ/WQD is aware that the Phase I Pilot-Test System is being reevaluated. Since the ongoing and proposed sampling and monitoring at the railyard and the surrounding areas (i.e., UST/LUST and chlorinated solvent plume) is providing information on the extent of the present contamination and the groundwater flow directions, corrective actions must be proposed to address containment and recovery of the BNRR's free product plume.

Since the free product occurs in significant thicknesses in the fall, winter, and early spring months when the water table drops, free product recovery and containment is of primary importance during this period of the year. Containment barriers; such as, subsurface cutoff walls, interceptor trenches with synthetic liners, etc., would be applicable methods for containing the migration of the free product. Applicable remedial alternatives for recovering the free product are as follows: free product-only recovery

**BNRR Casper Yard**

October 26, 1995

Page 3

pumps, dual recovery pumps, soil vapor extraction, 2-phase vacuum extraction, etc.. Since the proposed corrective actions cannot have substantial effects on the movement of the UST/LUST and chlorinated solvent plumes, a containment structure (i.e., HDPE liner, cutoff wall, etc.) would serve as a barrier between the recovery system and the existing plumes.

- C. All boreholes in this investigation need to be completely logged (i.e., blows/inch at depth, lithology, visual, olfactory, and vapor detection observations) including the boreholes that are not completed as monitoring wells.
- D. WDEQ/WQD is aware that monitoring wells CY-MW11 and HC-10 are damaged or could not be located and will be appropriately plugged and abandoned. BNRR shall provide a proposal of when and where new wells will be installed to replace these wells or a justification of why these wells do not need to be replaced.
- E. As described in the workplan (page 3), a final ROI will be prepared within 30 days after receiving the laboratory results of this investigation.
- F. WDEQ/WQD is authorizing Permit to Construct number 95-284 under the conditions listed in the permit. These conditions have been reviewed prior to issuance of the permit by Mr. Bruce Henry, Parson ES, Denver, Colorado, the consultant for the project, and with Mr. John Meldrum, manager of environmental operations for BNRR.

PS/nc 54350.LTR

F:\...pstamp\BNRR\BNRR.RV4

# PERMIT TO CONSTRUCT

New  
Renewal  
Modified

PERMIT NO. 95-284  
SPECIAL CONDITIONS  
REF/PERMIT # 94-047 (under review)

## BNRR Casper Yard Additional Site Investigation

This permit hereby authorizes the applicant:

Burlington Northern Railroad  
373 Inverness Drive South  
Englewood, CO 80112

to construct, install or modify monitoring wells according to the procedures and conditions of the application number 95-284. The facility is located in T33N, R79W, S4, SE1/4 in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of five (5) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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 Pollution Control Program, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 13 In regards to the BNRR allowing access to authorized representatives from the DEQ, Water Quality Division, the WQD would need to provide advance notification to BNRR to gain permission to inspect the facility accompanied by on-site personnel and provided that appropriate safety protective gear is worn.
2. of 13 After the monitoring well(s)/piezometer(s) 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. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
3. of 13 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor well(s)/piezometer(s) and sample collection so that they may be on site if deemed necessary.
4. of 13 The applicant is responsible for obtaining any permits required by the State Engineer's Office (777-7354).
5. of 13 The results of analyses outlined in the table in permit condition 6. of 13. viii. shall be provided to the department as soon as they are available.
6. of 13 ***Environmental Monitoring Program for Groundwater of the State:***
  - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
  - c. Records of monitoring information shall include:
    - i. The date, exact place, and time of sampling or measurements;
    - ii. The name(s) of individual(s) who performed the sampling or measurements;
    - iii. Sampling procedures and sample preservation accomplished;
    - iv. The date(s) analyses were performed;
    - v. Name of company who performed the analyses;
    - vi. The analytical techniques or methods used; and
    - vii. The results of such analyses.

- viii. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
MW-14	Semi-Annually	EPA 418.1, SW8310	TPH, PAHs	NA
MW-15	Semi-Annually	EPA 418.1	TPH	NA
HC-3, CY-MW4, CY-MW11, MW-14, MW-15	Initial Event	EPA SW8240	VOCs	NA
All Wells Monitored in Dec. '94 and new wells	Quarterly		Water Elevation, Free Product Thickness	NA

\* Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

7. of 13 Depending on the results of the second monitoring event, BNRR may petition to sample for a shorter list of the above parameters. BNRR may also petition to substitute less expensive methods for the above listed methods or to reduce the frequency of sampling. After the March '96 quarterly elevation monitoring event, BNRR can petition to reduce the frequency of the monitoring.
8. of 13 The results of these analyses shall be submitted to the Cheyenne office at the following address: Groundwater Pollution Control Program, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002. As described in the workplan (p. 1), a letter report will be submitted quarterly following the water elevation and free product thickness sampling.
9. of 13 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those well(s)/piezometer(s) prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to standard engineering practice.
10. of 13 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the WDEQ's Solid and Hazardous Waste Management Division.
11. of 13 The monitoring well/piezometer shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected.
12. of 13 Water which is collected during monitoring well/piezometer development or sampling must be disposed of properly. The Applicant must contact the City (or applicable owner) for authorization prior to disposal into a local storm sewer, sanitary sewer, wastewater treatment plant, or other facility.

13. of 13 Within 90 days after issuance of this permit, upon evaluation and analysis of the sampling and monitoring data from the railyard and surrounding areas and after consulting with the EPA Region VIII, and the Wyoming UST/LUST, GPC and SHWD programs; BNRR shall propose corrective actions to prevent the continued off-site migration and the potential co-mingling with the UST/LUST and the chlorinated solvent plumes. The proposed remedial actions cannot have significant effects on the water table or the vadose zone that would influence the migration of the known UST/LUST or chlorinated solvent contamination.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

10-30-95  
\_\_\_\_\_  
Date of Issuance

PBS/nc 54345.LTR

cc: Lisa Korner, Parsons Engineering Science, Inc., 1700 Broadway, Suite 900, Denver, CO 80290

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-285  
SPECIAL CONDITIONS  
REF/PERMIT #

## Wyoming Girls School Sanitary Sewer Repair and Extension

This permit hereby authorizes the applicant:

Wyoming Girls School  
P.O. Box 868  
Sheridan, Wyoming 82801

to construct, install or modify a sanitary sewer according to the procedures and conditions of the application number 95-285. The facility is located in the N/2 of Section 10, Township 55 North, Range 84 West in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of one year from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District Office, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

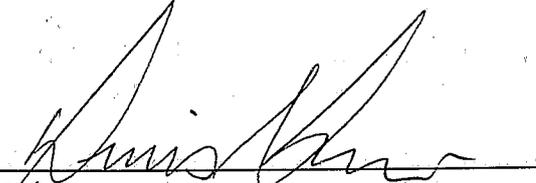
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4. The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-2-95  
\_\_\_\_\_  
Date of Issuance

BDM/pr:mad 53264.LTR

cc: Walt Pilch, P.E., P.O. Box 6498, Sheridan, WY 82801

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-285

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. yes

B. Chapter XII. no

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

no

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

no

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

not applicable

B. Briefly state the basis for the deviation.

not applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

not applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

not applicable

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

not applicable

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Brian D. Mark, P.E., Senior Environmental Analyst, and completed on July 25, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51933.DOC

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-286  
SPECIAL CONDITIONS  
REF/PERMIT #

### Haynes Lift Station (Guernsey Wyoming)

This permit hereby authorizes the applicant:

Town of Guernsey  
P.O. Box 667  
Guernsey, WY 82214

to install a wastewater lift station to replace an existing lift station which is failing according to the procedures and conditions of the application number 95-286. The facility is located in SW 1/4 Section 35, T27N, R66W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

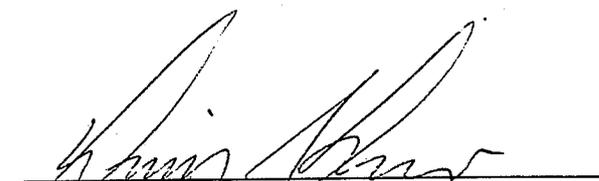
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7/14/95  
\_\_\_\_\_  
Date of Issuance

GLS/b/53004.ltr

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-286

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

N/A

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on July 12, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

GLS/b/53004.ltr

# PERMIT TO CONSTRUCT

x New  
Renewal  
Modified

PERMIT NO. 95-287  
SPECIAL CONDITIONS

## Intellectual Properties - Commercial Septic System

This permit hereby authorizes the applicant:

Intellectual Properties  
1875 Milton Drive  
Cheyenne, Wyoming 82001

to construct, install or modify a commercial septic system according to the procedures and conditions of the application number 95-287. The facility is located in the NW1/4 of Section 28, T14N, R65W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

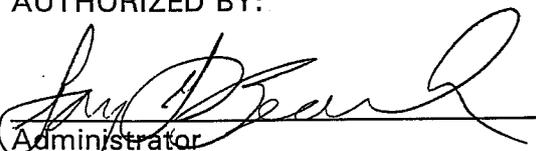
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 6. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 6. The applicant will provide immediate oral and/or written notice to the Southeast District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 6. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 6. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 6. Septic Tank Risers - The manways on each compartment on Vaughn Septic Tanks must be extended to the surface when 6 inch or larger clean-out risers are not provided.
- 6 of 6. The permittee shall notify the Laramie County Environmental Health Division at least two (2) days prior to installation of this system to arrange for required inspections. Inspection of the installed system is required prior to backfilling. Laramie County Environmental Health charges a fee for these inspection services. Their offices are located at 100 Central Avenue, Cheyenne, Wyoming 82007; or they can be reached by phone at (307) 633-4090.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-13-95

Date of Issuance

RLE/mad 52958.LTR

cc: Laramie County Environmental Health Division

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-287

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. Deleted

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on July 10, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51931.DOC

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-288  
SPECIAL CONDITIONS  
REF/PERMIT #

### Canyon Springs Guest Ranch Wastewater Treatment Facility

This permit hereby authorizes the applicant:

Thomas Gennings  
354 Snooks Road  
Sundance, Wyoming 82729

to construct, install or modify an onsite wastewater treatment facility according to the procedures and conditions of the application number 95-288. The facility is located in NW/4 of Section 4, Township 51 North, Range 64 West in the county of Crook, in the State of Wyoming. This permit shall be effective for a period of one year from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Northeast District Office, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

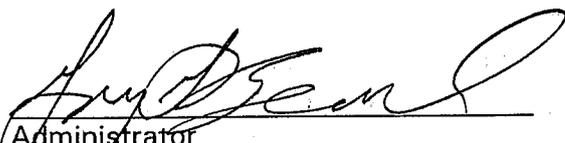
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

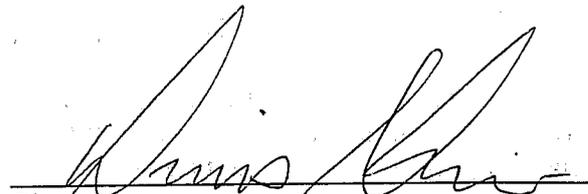
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4. The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-2-95  
\_\_\_\_\_  
Date of Issuance

BDM/pr: 53265.LTR  
cc: Ralph Goodson, P.E., P.O. Box 130, Sundance, WY 82729

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-288

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. yes

B. Chapter XII. no

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

no

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

no

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

no

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Chapter XI Section 41.(a)(i) requires a replacement area for an absorption system.

B. Briefly state the basis for the deviation.

Due to spatial and topographic limitations the proposed absorption system area will be excavated and backfilled with new material at such time when a replacement absorption system is required.

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

no

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

not applicable

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

not applicable

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Brian D. Mark, P.E., Senior Environmental Analyst, and completed on July 25, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51933.DOC

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

# PERMIT TO CONSTRUCT

New  
Renewal  
X Modified

PERMIT NO. 95-290

REF/PERMIT #93-451

## Union Pacific Railroad - Rawlins Diesel Remediation

This permit hereby authorizes the applicant:

Union Pacific Railroad  
P.O. Box B  
Laramie, WY 82070

to construct, install or modify a diesel recovery system according to the procedures and conditions of the application number 93-451 and 95-290. The facility is located in T21N, R87W, Section 16, NE¼ in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of five (5) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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.

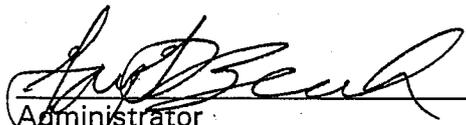
The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: UIC Program Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

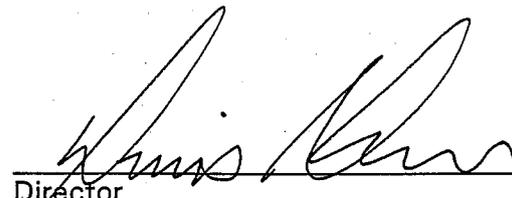
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-18-95  
Date of Issuance

RFL/nc 53053.LTR

cc: Stephen R. Brinkman, Laidlaw Consulting Services, 5665 Flatiron Parkway, Boulder, CO 80301

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-290
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.  
Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.  
No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.  
No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.  
NOT Applicable
- B. Briefly state the basis for the deviation.  
NOT Applicable
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).  
NOT Applicable
- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 15. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Applicable This application allows for a very minor modification to the Rawlins Railyard Diesel Remediation system. Specifically, this allows UPRR to place a total fluids pump in a monitor well located downgradient from the system. This monitor well currently has free diesel in it and is

located below the point where recovery can take place. This permit allows UPRR to recover this oil by pumping small volumes of water/oil back to the sump in the main recovery system. Water levels will be controlled to prevent any drawdown from this well from causing additional oil to bypass the recovery trench. The extent of contamination in the area of this well is small. UPRR intends to operate this recovery well only during summer months for several years.

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:

Applicable

B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

NOT Applicable

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

NOT Applicable

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

NOT Applicable

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

NOT Applicable

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

NOT Applicable

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

Applicable The Rawlins Railyard Diesel Recovery System is already heavily monitored. Other than keeping records of the pumping water level, the operating status of this system and the volume recovered, no additional monitoring is needed.

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-291  
SPECIAL CONDITIONS

## North Cheyenne Community Park - Phase I: Water Distribution

This permit hereby authorizes the applicant:

Cheyenne BOPU  
2100 Pioneer  
Cheyenne, Wyoming 82001

to construct, install or modify a water distribution system according to the procedures and conditions of the application number 95-291. The facility is located in N1/2 of Section 16, T14N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

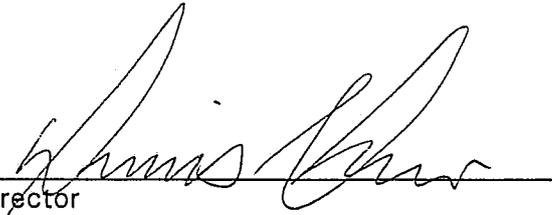
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5. The applicant will provide immediate oral and/or written notice to the SE District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SE District office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5. Alignment Flexibility / As-Constructed Plans Required - The alignment flexibility in the area of the softball fields (station 15 + 50 to 21 + 00) is granted with the stipulation that As-Constructed plans be submitted to this office within 60 days of completion of the project for compliance review.
- 5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-28-95  
\_\_\_\_\_  
Date of Issuance

RLE/mad 53658.LTR

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-291

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. Deleted

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on August 18, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51931.DOC

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 95-292  
SPECIAL CONDITIONS

### Nelson Small Wastewater Treatment Facility

This permit hereby authorizes the applicant:

Irbi Caren Nelson  
P.O. Box 125  
Shell, WY 82441

to construct a replacement leach field to serve a two bedroom house according to the procedures and conditions of the application number 95-292. The facility is located in NW ¼ SW ¼ Section 34, T53N, R91W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7/14/95  
\_\_\_\_\_  
Date of Issuance

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-292
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. Yes
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
- Not
- V. Documentation of Statement of Basis.
- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Supervisor, and completed on July 13, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

# LAND APPLICATION PERMIT

New  
Renewal  
Modified

PERMIT NO. 95-293  
SPECIAL CONDITIONS

## Exxon Hartzog Draw Unit Road Application

This permit hereby authorizes the applicant:

Exxon Corporation  
P.O. Box 1719  
Gillette, WY 82717  
Attention: Mr. R.S. Large

to land apply oil contaminated soil according to the procedures and conditions of the application number 95-293. The facility is located in the SE/4 of Section 11, the NW/4 of Section 13, and the NE/4 of Section 14 of Township 45 North Range 76 West in the county of Campbell, in the State of Wyoming. This permit shall be effective until November 1, 1995.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1 of 9 The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division (DEQ/WQD) of the anticipated project commencement and completion dates with

the attached post card. At least 48 hours advance notice is required. The authorized representative in your area can be contacted at the following address: DEQ/WQD Northeast Office, 1043 Coffeen Avenue, Suite D, Sheridan, WY, 82801, (307)672-6457, FAX (307)674-6050.

- 2 of 9 The permittee shall provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications to the approved permit package.
- 3 of 9 The permittee shall provide certification that the project was completed in accordance with the terms and conditions of the permit within sixty (60) days of the project completion to the Northeast district Office on the attached Certification of Completion form.
- 4 of 9 The permittee shall submit a contour map depicting only those sections of road that actually received oil contaminated soil within sixty (60) days of the project completion to the Northeast District Office.
- 5 of 9 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 6 of 9 Oil contaminated soil shall be applied uniformly. Application shall not be initiated during the spring runoff period or at times saturated soil conditions exist. Oil contaminated soil shall not be applied during the period from November 1 to April 10.
- 7 of 9 The application site slope shall not exceed eight percent (8%) for vehicular application.
- 8 of 9 Oil contaminated soil application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 9 of 9 Any oil contaminated soil application after November 1 must be re-permitted.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-17-95  
\_\_\_\_\_  
Date of Issuance

DRM/pr:7/13/95 /nc 53040.LTR  
xc: NE District Campbell County Road Application File

## STATEMENT OF BASIS

### General information.

A. Permit Number: 95-293

### II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. No

B. Chapter XII. No

### III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

### IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

There are no numeric standards or criteria in Chapter XI for road application. W.S. 35-11-301 (a)(iii) requires a permit to be issued when any disposal system capable of causing or contributing to pollution is constructed, installed, modified, or operated.

B. Briefly state the basis for the deviation.

Road application is permitted when DEQ authorized disposal facilities are not readily available, a beneficial use of the waste to be applied is possible, and significant impact to waters of the State is minimized.

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

District Policy numbers 10.1 (4/9/91), 10.2 (10/17/86), 10.3 (8/91), 10.4 (10/24/91), and 10.6 (1/18/91) address the statutory authority to regulate the road application of waste, establish criteria for characterizing the waste, and determine acceptable conditions for the application of the waste to roadbeds to minimize impact to waters of the State.

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Applicable

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

- A. Facility will not allow a discharge to groundwater. Briefly describe:

The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying the oil contaminated soil onto the roadbed. Repeated applications of oil contaminated soil on the same sections of road will be monitored by roadbed analyses.

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Donald R. McKenzie, NE District Engineering Supervisor, and completed on July 13, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

DRM/pr:7/13/95 /nc 53040.LTR

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

RF



THE STATE OF WYOMING



JIM GERINGER  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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September 6, 1995

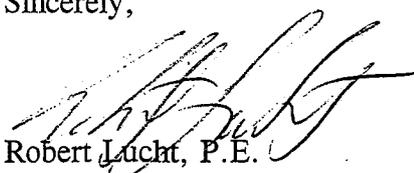
Mr. Phil Morrow  
Coastal Chem  
P.O. Box 1287  
Cheyenne, Wyoming 82003

RE: Coastal Chem Injection Wells  
Permit UIC 95-294, class I  
Laramie County, Wyoming

Dear Mr. Morrow:

Enclosed please find a new permit to cover the injection wells at Coastal Chem. This permit is a modification which takes into account all issues raised during the five year review of the facility and comments made by Coastal Chem. There were no issues raised during the public notice period. This permit replaces all previous permits issued for the injection wells. Your reporting forms will have to be changed to reflect new permit conditions.

Sincerely,

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

RL/bb/53936.ltr

Enclosure

DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE OF WYOMING  
UNDERGROUND INJECTION CONTROL PERMIT  
ISSUED UNDER CHAPTER XIII  
WYOMING WATER QUALITY RULES AND REGULATIONS  
CLASS I INJECTION WELL

( ) New  
(XX) Modified

Permit Number UIC 95-294  
Reference old permits: UIC 81-966R, UIC 84-009R,  
UIC 89-192, UIC 90-375R

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a) (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter XIII (1993),

Applicant: Coastal Chem, Inc.  
P.O. Box 1287  
Cheyenne, Wyoming 82003  
(307) 634-5981

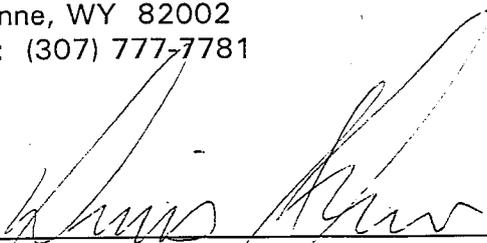
is authorized to operate

The Coastal Chem Deep Injection Well System consisting of Well Number 1 in the SW 1/4 NW 1/4, Section 16, Well Number 2 in the NE 1/4 SE 1/4, Section 17, Well Number 3 in the NW 1/4 SE 1/4, Section 17, Well Number 4 in the NW 1/4 SE 1/4, Section 17, all in Township 13 North, Range 67 West, of the 6th Principal Meridian, Laramie County; according to the procedures and conditions of application 81-966, 84-009 and 90-375 and requirements and other conditions of this permit as found on pages 1 through 14.

This permit shall become effective on date of issuance.

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002  
Phone: (307) 777-7781

9/12/95  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Director  
Department of Environmental Quality  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002

9-12-95  
\_\_\_\_\_  
Date

A. Discharge Zone

This injection well is authorized to inject into the hygiene member of the Pierre Shale Formation which is found in the well bore from 5,807 to 6,309 feet below the ground surface in Well Number 1 and from 5,817 to 6,190 feet below the ground surface in Well Number 2; and from 5,848 to 6,256 feet below the ground surface in Well Number 3. Coastal Chem shall provide the exact interval in Well #4 after installation of this well. Additional perforations may be installed within the above named interval of the authorized formation with the prior approval of the Water Quality Division.

The packer set on the bottom of the tubing shall be set within 500 feet of the top of the authorized discharge zone.

B. Area of Review

The wells authorized by this permit are located in:

Township 13 North, Range 67 West, 6th Principal Meridian

Section 16: SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  (Well Number 1)

Section 17: NE  $\frac{1}{4}$  SE  $\frac{1}{4}$  (Well Number 2)

Section 17: NW  $\frac{1}{4}$  SE  $\frac{1}{4}$  (Well Number 3)

Section 17: NW  $\frac{1}{4}$  SE  $\frac{1}{4}$  (Well Number 4)

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

Township 13 North, Range 67 West, 6th Principal Meridian

Section 7: SE  $\frac{1}{4}$  SE  $\frac{1}{4}$

Section 8: S  $\frac{1}{2}$  N  $\frac{1}{2}$ , S  $\frac{1}{2}$

Section 9: S  $\frac{1}{2}$ , S  $\frac{1}{2}$  NW  $\frac{1}{4}$

Section 15: W  $\frac{1}{2}$  W  $\frac{1}{2}$

Section 16: All

Section 17: All

Section 18: E  $\frac{1}{2}$  E  $\frac{1}{2}$

Section 19: NE  $\frac{1}{4}$  NE  $\frac{1}{4}$

Section 20: N  $\frac{1}{2}$

Section 21: NW  $\frac{1}{4}$ , N  $\frac{1}{2}$  NE  $\frac{1}{4}$

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

Time of Operation: 46 Years (Total of 16,790 Days)

Porosity: 20%

Permeability: 16.7 md or .0401 ft/day from pressure falloff data

Initial Reservoir Pressure: 2,075 psi

Maximum Injection Rate: 450 gpm (648,000 gpd or 15,428 bpd)

Thickness of Receiver: 220 feet

The above assumptions lead to a radius of fillup of 3,198 feet assuming that injectate moves radially outward from the centroid of the points of injection. The cone of influence around these wells has also been calculated as 5,294 feet. The above area of review has been set assuming that all injectate can go into any of the four authorized wells. This permit does not allow all 450 gpm to be injected into any one well, each well is further limited to 350 gpm.

The original investigation for Well Number 2 was conducted for a 3 mile radius about the midpoint between wells 1 and 2, with pressure buildup investigation out to 20 miles.

## Groundwater Classification

The groundwater in the hygiene sandstone member of the Pierre Shale Formation within the area of review has been designated Class VI groundwater of the state under Chapter VIII of Wyoming Water Quality Rules and Regulations (April 9, 1980.) This classification was made because:

- a. The groundwater in this formation contains between 3,000 and 10,000 mg/l of Total Dissolved Solids, but cannot be reasonably expected to provide a source of drinking water because of its extreme depth of burial;
- b. The groundwater in this formation is situated at such a depth that recovery of this water and treatment for drinking water purposes is not practical; and
- c. This formation has been used in the past for nonhazardous industrial wastewater disposal (Permits UIC 81-966R, UIC 84-009R, UIC 89-192, and 90-375) and cannot be expected to provide a source of drinking water.

## D. Authorized Operations

The permittee is authorized to inject 450 gallons per minute (15,428 barrels per day or 648,000 gallons per day) as a total of all four wells; any of the four wells operating separately is authorized to inject 350 gallons per minute (12,000 barrels per day or 504,000 gallons per day) of industrial wastes as described:

The permittee is authorized to inject industrial wastes as generated by the manufacture of Ammonium Nitrate, Urea, Anhydrous Ammonia, Dry Ice, Methyl Tert-Butyl Ether (MTBE), and Methanol, and to inject storm runoff water from the plant site, and to inject waters collected in various surface and groundwater remediation programs at the site.

The composite wastewater stream is composed of:

SOURCE	AVERAGE GPM <sup>(1)</sup>	PERCENT OF TOTAL
Boiler Blowdown	35	15.3
Process Condensate <sup>(2)</sup>	20	8.8
Cooling Tower Blowdown	105	46.0
Monitoring Wells	5	2.2
Corlett Creek Sump	30	13.2
Interceptor Trench	12	5.3
Storm Runoff	16	7.0
Area Washdown <sup>(3)</sup>	5	2.2
<b>TOTALS:</b>	<b>228</b>	<b>100.0</b>

(1) Will vary throughout the year due to plant operating conditions and weather conditions.

(2) Process Condensate is condensed water vapor and/or steam.

(3) Area Washdown is raw plant water used to washdown the outside of plant equipment.

The composite injection stream may also contain small amounts of corrosion inhibition control additives.

The permittee is authorized to inject at a pressure of no more than 1,005 psig in well #1, 1,032 psig in well #2, and 1,130 psig in well #3 as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded digitally by computer interface.

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

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

The wastes injected include wastes generated by operations described by the following SIC codes: 2813, 2819, 2869, 2873, 2899.

The permittee may inject other wastes with prior approval of the Administrator.

In the event that the injection pressure and/or rate in any of these wells exceed authorized limitations such excessive rate or pressure is a violation of this permit and shall be reported pursuant to Section I.6 of this permit. To insure that this condition is met, the permittee shall post signs as follows on the interior of the injection plant and on all wellhead shelters:

COASTAL'S INJECTION PERMIT REQUIRES NOTIFICATION OF THE WATER QUALITY DIVISION 777-7095 WHENEVER THE INJECTION VOLUME EXCEEDS 350 GALLONS PER MINUTE IN ANY SINGLE INJECTION WELL OR A TOTAL OF 450 GALLONS PER MINUTE IN ALL WELLS TOGETHER. THIS PERMIT ALSO REQUIRES IMMEDIATE NOTIFICATION ANYTIME THE PRESSURE AT THE WELLHEAD EXCEEDS (INSERT PRESSURE APPROPRIATE FOR EACH WELL) PSIG. NOTIFY THE CHIEF ENGINEER IF ANY OF THESE VALUES ARE EXCEEDED.

The above wording shall be prepared on a steel or fiberglass sign with red lettering a minimum of 1 inch high and shall be maintained in good condition at all times.

#### E. Hazardous Waste

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

## Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes mechanical integrity of the well, effective performance, adequate funding and operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.

The injection well(s) covered by this permit shall meet all construction requirements outlined in Chapter XIII, Section 11 of the Wyoming Water Quality Rules and Regulations.

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

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

Injection into a well may not commence until construction is complete.

## G. Entry and Inspection

The permittee shall allow the Administrator, or an authorized representative for the Administrator, upon presentation of credentials and during normal working hours, to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit, and inspect the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

## H. Environmental Monitoring Program for Groundwaters of the State

The permittee shall furnish any information necessary to establish a monitoring program pursuant to Section 13 of Chapter XIII.

A monitoring program is required to establish baseline water quality of the receiving formation at any new point of injection and to insure knowledge of migration and behavior of the discharge. The permittee is required to provide detailed information concerning the quality of the groundwater in the vicinity of this injection well as follows:

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

**PARAMETERS**

Ammonium as N	Nitrate as N	Chromium
Potassium	Sodium	Calcium
Sulfate	Chloride	Magnesium
Bicarbonate	Carbonate	pH
Viscosity	Specific Gravity	Total Dissolved Solids

Coastal Chem maintains a network of monitoring wells around the immediate area of these injection wells. The following wells shall be sampled and analyzed as follows:

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	TARGET RESTORATION VALUE (TRV)*
OW-1, OW-2, OW-3, OW-4, OW-5, OW-7, OW-9, OW-10, OW-11, OW-12, Coastal Well 15, Coastal Well 18, Coastal Well 19, Coastal Well 20, Coastal Well 21	Annually	EPA 9056	Nitrate as N	10.0
		EPA 350.2	Ammonia as N	0.5
		Urease Titration	Urea	
		EPA 160.1	TDS	500
		EPA 150.1	pH	must remain between 6.5-9.0
		EPA 8000	MBTE	.005
		EPA 8000	Methanol	.005

The above Target Restoration Values (TRV) are to be met before final abandonment of any well under this permit, except in the case that any well fails mechanical integrity tests and is abandoned. All of the TRV's listed in this permit are expressed in mg/l.

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	UPPER CONTROL LIMIT (UCL)*
Coastal Well 15,	Annually	EPA 9056	Nitrate as N	10.0
		EPA 350.2	Ammonia as N	0.5
		EPA 160.1	TDS	500
		EPA 150.1	pH	must remain between 6.5-9.0
		EPA 8000	MBTE	.005
		EPA 8000	Methanol	.005

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	UPPER CONTROL LIMIT (UCL)*
OW-1, OW-2, OW-3, OW-4, OW-5, OW-7, OW-9, OW-10, OW-11, OW-12, Coastal Well 18, Coastal Well 19, Coastal Well 20, Coastal Well 21	Annually	EPA 8000	MBTE	.005
		EPA 8000	Methanol	.005

\*All chemical parameters listed in this permit are expressed in mg/l unless otherwise shown. pH is always expressed in standard units, and Conductivity is always expressed in mmhos/meter or umhos/cm. The above Upper Control Limits (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action.

### I. Requirements for Monitoring the Discharge

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

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

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

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL)
Quarterly	EPA 9056	Nitrate as N	25,000
	EPA 350.2	Ammonia as N	19,000
	Urease Titration	Urea	7,500
	EPA 160.1	TDS	No Limit
	EPA 150.1	pH	11.0
	EPA 8000	MBTE	5.0
	EPA 8000	Methanol	5.0

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

The permittee shall shut any one of the three wells covered by this permit in annually time long enough to observe a valid pressure falloff curve. This test shall be considered complete when the pressure curve becomes asymptotic to a straight line on the Miller-Dyes-Hutchinson (MDH) plot. The permittee shall prepare a report for each falloff curve conducted including a MDH Plot and calculations of the skin effect, the indicated transmissivity and permeability of the receiver, and the indicated reservoir pressure. This report shall include plots of the data and all calculations based on those plots. Each pressure falloff curve shall be conducted prior to November 1 of each year. Prior to injection of any waste into any new well drilled under this permit, the permittee shall record the static reservoir pressure for the hygiene member of the Pierre Formation.

#### J. Test Procedures

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

All required analyses shall be conducted in compliance with Chapter VIII Section 7, Wyoming Water Quality Rules and Regulations.

#### K. Records and Reports

The permittee shall furnish to the Administrator, within a specified time, any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit.

The permittee shall retain copies of all records and reports required by this permit, for a period of three (3) years following permanent well abandonment. After that time, those same records shall be delivered to the Administrator for disposal or archive at his sole discretion.

Reports of compliance or noncompliance with, and any progress reports on, interim and final requirements contained in any compliance schedule shall be submitted no later than thirty (30) days following each schedule date.

Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance.

Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above.

The permittee shall notify the administrator thirty (30) days in advance of any planned alteration, conversion or abandonment of the well(s) covered by this permit.

The quarterly report of operations for these wells shall be filed on forms provided by the department (or facsimile) and shall include the following information:

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

- b. The minimum, average, and maximum daily injection pressure for each of the four wells for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
- c. The total injection volume in gallons for each month of the quarter, the total for the quarter, the total cumulative injected to date; all compiled for each well separately.
- d. The maximum and minimum annulus pressure for each month of the quarter for each well separately.
- e. Any permit exceedances within the quarter.
- f. Any tests run during the quarter. This includes, but is not limited to, the results on any Mechanical Integrity Tests, Pressure Falloff Tests, Step Injection Tests, or any well workovers.
- g. The analytical results for sampling for the injected water and any groundwater sampling results required under Section H.
- h. Quarterly reports are due in the Cheyenne office of the Water Quality Division no later than 30 days after the end of each calendar quarter.

The annual report of operations on these wells shall be filed at the time when the fourth quarterly report is due and shall include the fourth quarterly report and the following additional information:

- a. A graphical representation of the injection pressure and volume for over time the previous five year's operation. This graph shall have the dates of the year on the abscissa and the pressure and volume as the ordinate.
- b. Graphical representations of the quality of the injected water over time. These graphs shall show the injected quality for the previous five year's operation and shall be prepared on appropriate scales to show the variation.
- c. For any well required to be monitored under Section H, a graphical representation is required for the concentration of each monitored parameter over time.
- d. Monitoring results shall be reported in the annual reports unless otherwise specified.

## L. Permit Actions

This permit is issued for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator and obtain a new permit prior to the expiration date of this permit.

It shall not be a defense for a permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit;
2. Obtaining a permit by misrepresentation of facts in the application; or
3. Failure of the casing, cement or the confining layer.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less, stringent standards; or prohibitions for toxic or other substance present in the permittee's discharge, as may be ordered by the council.

#### M. Mechanical Integrity

Mechanical Integrity shall be maintained continuously and reviewed at least once every five (5) years. The test used to determine mechanical integrity shall be a two part test approved by the Administrator.

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

At least once every five years, and more frequently if required by the Administrator, the permittee shall hold 1,200 psig on the annulus between the long string and the tubing for a minimum of 15 minutes. During this time, the annulus pressure should not drop perceptibly. If a perceptible drop in pressure occurs, the annulus shall be repressurized to 1,200 psig and held for 15 minutes. During this second test, no perceptible pressure drop should occur. This part of the test is considered successful if no more than 50 psig of pressure loss occurs. If there is a perceptible loss in pressure of less than 50 psig, the Water Quality Division may require more frequent tests. As of the writing of this permit the most recent tests were done: Well #1 - December 15, 1994; Well #2 - December 15, 1994; and Well 3 - April 7, 1994.

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

At least once every five years, and more frequently if required by the Administrator, the permittee shall perform a standard Radioactive Tracer Survey and Temperature log on each well. The Temperature Log shall be run with the well on injection and once with the well shut in for a minimum of 24 hours and shall be recorded while the tool is lowered into the hole. The Radioactive Tracer Survey shall include all information found on a standard API log heading including tool geometry, personnel running the log, date performed, witnesses to the log, and calibration information for the tool. The Radioactive Tracer Survey shall include a check of the packer, a channel check with the tool five feet above the top perforations, a complete injection profile through the perforated interval and a shot below the lowest perforation. The Radioactive Tracer Survey shall include a baseline gamma survey prior to releasing any tracer and a final gamma run after all shots have been expended. The last Radioactive Tracer Survey and Temperature Log were run on Well #1 on November 20, 1994; on Well #2 on November 19, 1994; and on Well #3 on November 19, 1994.

When Well #4 is installed under this permit it shall be logged for a standard Cement Bond Log prior to injecting any fluid. The Cement Bond Log shall include a microsesismogram as well as the amplitude curve, natural gamma, and casing collar curves. New wells shall be logged for a Radioactive Tracer Survey and Temperature Log as above, prior to injecting any fluid.

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

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

Wells which have not demonstrated both parts of the required Mechanical Integrity test shown on the above schedules shall be shut in until the Mechanical Integrity has been restored and the required tests have been passed.

## N. Abandonment

The permittee shall notify the administrator at such times as the permit requires before conversion or abandonment of the well.

A squeeze cementing operation shall be run with the cement retainer set within 20 feet of the top perforations. This cementing operation shall consist of pumping 300 sacks of 50/50 pozmix cement with 2% allowed gel or class G cement with .4% fluid loss additive. After stinging out of the retainer an additional 800 sacks of class G cement with retarder added shall be emplaced in the casing as the tubing is withdrawn. The remainder of the hole shall be filled with bentonite based drilling mud of at least a 10 minute gel strength of 20 pounds per 100 square feet and a filtrate volume not to exceed 13.5 cc. Following this operation, the top 500 feet of the hole shall be filled with cement as above and a standard dry hole marker shall be installed on the surface and welded to the long string.

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

Within thirty (30) days after plugging and abandonment of the well(s) covered by this permit, the permittee shall submit a plugging and abandonment report, detailing the compliance abandonment procedures outlined in the original permit application, and describing any deviation from the original plan. The abandonment plan shall include reclamation of the well location.

## O. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition.

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

Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the administrator through the submission of a new or amended permit application.

The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

Monitoring results shall be reported at the intervals specified elsewhere in this permit.

**P. Financial Responsibility**

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

**Q. Special Conditions**

In addition to the conditions required of all permits, the administrator has established conditions as required for monitoring, schedules of compliance, and such additional conditions as are necessary to prevent the migration of fluids into underground sources of drinking water. These conditions are established in conformance with Chapter XIII, Section 9(e).

Permits numbered UIC 81-966R, UIC 84-009R, UIC 89-192, UIC 90-375R have either previously been cancelled or are hereby cancelled.

Within six months of the date when this permit is issued, Coastal Chem shall submit a groundwater monitoring plan detailing how the known plume on site has been fully delineated. This plan shall include sufficient groundwater monitoring points to define the entire extent of contamination caused by past leaks and spills, and sufficient monitoring points to allow a determination to be made of whether or not groundwater contamination is continuing from any injection well, or any part of the wastewater system feeding the injection wells.

Permit 90-324 covering the installation of groundwater monitoring wells is hereby incorporated by reference into this permit. Permit 90-324 is therefore extended throughout the life of this permit.

**R. Signatories Requirement**

All reports filed in conjunction with this permit shall contain the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

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

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

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

or

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

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

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

## S. Noncompliance

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Chapter XIII of the Wyoming Water Quality Rules and Regulations and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

T. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator, and the Director, and no transfer shall be approved unless the proposed permittee agrees to bring any and all noncompliance issues into compliance with this permit.

The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

U. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

V. Severability

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

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

RL/bb/53935.ltr

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-295  
SPECIAL CONDITIONS

## DaDante Residential Wastewater System

This permit hereby authorizes the applicant:

Dennis and Patricia DaDante  
63 W. 5th Avenue  
Berea, Ohio 44017

to construct, install or modify a Clivus Multrum wastewater system according to the procedures and conditions of the application number 95-295. The facility is located in the SE1/4-NW1/4 of Section 10, T19N, R81W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

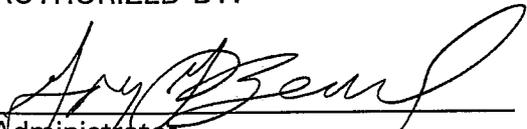
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 6. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 6. The applicant will provide immediate oral and/or written notice to the SE District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 6. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SE District office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 6. This system is being permitted under Chapter XI, Section 5, which covers facilities and systems not specifically covered by the design standards. This section is provided to encourage new and innovative technologies - which this Clivus Multrum composting toilet and "Greywater Purification" system represents.
- 5 of 6. Requirements should the system NOT perform as designed - Should the system not work as designed and planned; i.e.:
  - a. The capacity of the system is inadequate to properly dispose of the wastewater, or
  - b. Wastewater surfaces outdoors and does not remain subsurface.

Then, the owner must consult the Clivus Company for modification ideas, or the owner must convert to a more conventional wastewater treatment and disposal system. In either case, the owner must reapply to the Water Quality Division for a new or modified permit.

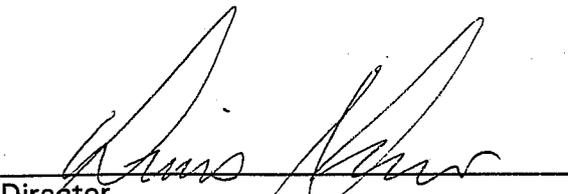
- 6 of 6. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator

Water Quality Division

10-12-95  
\_\_\_\_\_  
Date of Issuance

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

RLE/nc 54588.LTR

cc: Nina Adams, Carbon County Planning Director

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-295

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

Yes

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Chapter XI, Part D (Soil Absorption Systems)  
Section 34: Design Flows  
Section 38: Soil Absorption System Sizing  
Section 39: Pretreatment (i.e., Septic Tanks)

B. Briefly state the basis for the deviation.

The basis for the deviations allowed is that this Clivus Multrum composting toilet and greywater purification system qualifies as an innovative technology not specifically covered by the standards as allowed for under Chapter XI, Section 5. The composting toilet and other fixtures in the cabin will be low flow. The composting toilet will be separated from the rest of the wastewater system. The remaining greywater will be filtered and then soilbed injected into designed soil-boxes followed by subsurface irrigation to trees. This is a commercially available system designed and distributed by the Clivus Multrum Company.

- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

- VI. Deleted

- VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on October 10, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RLE/nc 54588.LTR

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Dadante Residential Wastewater System

ENGINEER:

APPLICANT: Dennis and Patricia Dadante  
63 W. Fifth Ave.  
Berea, Ohio 44017

WATER QUALITY REFERENCE NUMBER: 95-295

REVIEWING ENGINEER: Ronald L. Ewald *RLE*

DATE OF REVIEW: July 25, 1995

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

1. The Clivus Multrum composting toilet will be allowed as the toilet waste disposal system. However, it is not clear from your submittal if you will be using indoor or outdoor contained soilbed planter boxes, or if there will be additional outdoor subsurface irrigation injection pipes. Please describe this part of your proposed system in more detail, including how you determined the number of soilbed boxes or the footage of injection pipe needed. In other words, how did you size the system and how did you determine the loads on the system?

If you are using outdoor subsurface injection, please provide a map showing where the pipes will be placed and the location of any wells, potable water pipes, streams or other surface bodies of water, property lines, building foundations, and so forth.

2. What size is this house: one bedroom, two bedroom, three bedroom?
3. Is this going to be a full time residence or seasonal?

RE/b/53248.ltr

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-296R  
SPECIAL CONDITIONS

### Alpine Water Improvement Project

This permit hereby authorizes the applicant:

Town of Alpine  
P.O. Box 70  
Alpine, WY 83128

to construct water distribution and storage project according to the procedures and conditions of the application number 95-296R. The facility is located in SE¼ S29 T37N R119W in the county of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

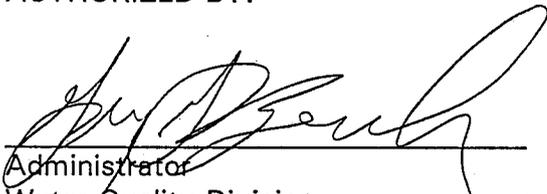
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

8-28-95  
Date of Issuance

RRT/nc 53598.LTR

## STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 95-296R
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. No
- B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
- No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- Not Applicable
- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
- Not Applicable
- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)
- Not Applicable

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of the Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Randall Taylor, SW District Engineering Supervisor, and completed on 16 August 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RRT/nc 53598.LTR

# PERMIT TO CONSTRUCT

X New  
- Renewal  
- Modified

PERMIT NO. 95-297  
SPECIAL CONDITIONS

## Luckey Cabin Septic Tank/Leach Field

This permit hereby authorizes the applicant:

R. Floyd Luckey, Jr.  
5164 Bonita Beach Road  
Bonita Springs, Florida 33923

to construct a septic tank/leach field to serve a mountain cabin according to the procedures and conditions of the application number 95-297. The facility is located in SE 1/4 Sec. 17, T49N, R86W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the Lander District Office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to the Lander District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Lander District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-20-95  
Date of Issuance

JH/jm  
b/53101.ltr

## STATEMENT OF BASIS

### I. General information.

A. Permit Number: 95-297

### II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

### III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

### IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

### V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not Applicable

### VI. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Engineer, and completed on July 14, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JH/b/53101.ltr

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 95-298  
SPECIAL CONDITIONS

## Don Wilcox (Residential Septic System)

This permit hereby authorizes the applicant:

Don Wilcox  
1954 South Rd.  
Wheatland, WY 82201

to install a residential septic system according to the procedures and conditions of the application number 95-298. The facility is located in SE 1/4 Section 13, T24N, R69W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

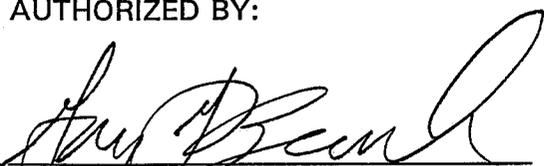
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

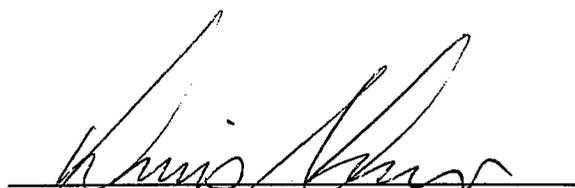
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

7-20-95  
Date of Issuance

GLS/mad 53104.LTR

## STATEMENT OF BASIS

### I. General information.

A. Permit Number: 95-298

### II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

### III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

### IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

### V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

### VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

N/A

VII. Documentation of Statement of Basis.

- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Gary Steele, Southeast District Engineer, and completed on July 18, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51931.DOC

# PERMIT TO CONSTRUCT

x New  
Renewal  
Modified

PERMIT NO. 95-299  
SPECIAL CONDITIONS  
93-300R

## Colter Bay Water Distribution and Sewer Collection Systems

This permit hereby authorizes the applicant:

Grand Teton National Park  
P. O. Box 170  
Moose, Wyoming 83102-170

to construct water distribution and sewer collection systems according to the procedures and conditions of the application number 95-299. The facility is located in the NW/4 of Sec 35 and the W1/2 of Sec. 21, T48N, R115W in the county of Teton, in the State of Wyoming. This permit shall be effective for a period of two years (2) from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

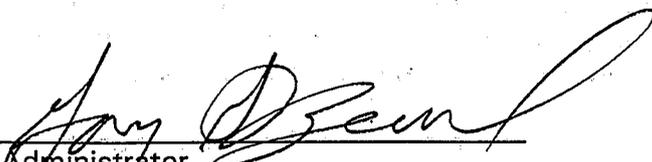
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

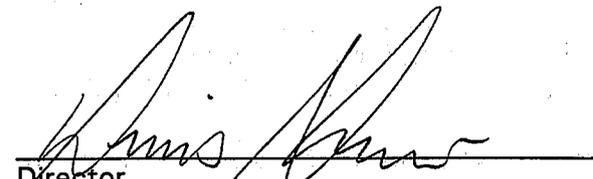
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
2. of 4 The applicant will provide immediate oral and/or written notice to the Lander Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
3. of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Lander office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
4. of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

9/5/95  
\_\_\_\_\_  
Date of Issuance

MDR/nc 53853.LTR

## STATEMENT OF BASIS

General information.

A. Permit Number: 95-299

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Not Applicable

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

Not Applicable

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Mike Roberts, P.E., Northwest District Engineer, and completed on 28 August 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

MDR/nc 53853.LTR

RJ

PERMIT TO CONSTRUCT

New  
Renewal  
 Modified

PERMIT NO. 95-300  
SPECIAL CONDITIONS  
REF/PERMIT #75-495RR

Gem City Bone & Joint Clinic - Septic System Increased Loading

This permit hereby authorizes the applicant:

Gem City Properties  
1909 Vista Drive  
Laramie, Wyoming 82070

to construct, install or modify an existing commercial septic system to allow an increased loading on the system according to the procedures and conditions of the application number 95-300. The facility is located in Section 1, T15N, R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5. The applicant will provide immediate oral and/or written notice to the SE District office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SE District office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 5. The intent of the construction authorized by this permit is to provide for the temporary treatment of wastewater until such time that treatment is available through a regional wastewater system. The Laramie Step I Wastewater Facility Plan requires that treatment be provided through a regional system. The facilities authorized by this permit (provided that they fall within the coverage of the Laramie 201 Plan) will be operated under the provisions of the 201 Plan Exemption process administered by the Albany County Planning Commission, the Albany County Board of County Commissioners, the Laramie Planning Commission, and the Laramie City Council. The operation of these facilities will be subject to any review and/or renewal requirements imposed by the 201 Plan Exemption. Finally, these facilities will only be operated until services are available through the approved regional system. These facilities will then be properly abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan, unless the City of Laramie and Albany County jointly authorize an additional extension. If you have any questions contact the Albany County Planning Commission.

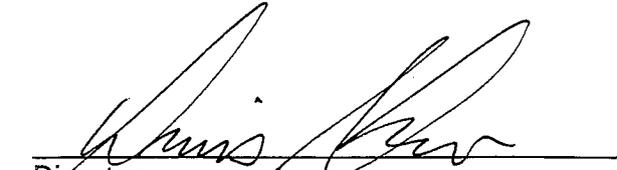
5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



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Administrator  
Water Quality Division



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Director  
Department of Environmental Quality

10-11-95  
Date of Issuance

RLE/bb/54522.ltr

cc: Andy Kasehagen, Albany County Planner  
Robert Lucht, UIC Supervisor

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 95-300

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Applicable

- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

- A. Facility will not allow a discharge to groundwater. Briefly describe:

NOT Applicable

- B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

Wastewater analysis results were reviewed by the WQD Underground Injection Control Supervisor and found to be not of concern.

- C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

NOT Applicable

- D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

NOT Applicable

- E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

NOT Applicable

- F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

NOT Applicable

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

NOT Applicable

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

**CERTIFICATION**

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on October 5, 1995. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RLE/bb/54522.ltr