

LAND APPLICATION PERMIT

New
Renewal
Modified

PERMIT NO. 97-201
SPECIAL CONDITIONS
REF/PERMIT #

Statewide permit for land application of hydrostatic test water

This permit hereby authorizes the applicant:

As per Notice of Intent

to land apply uncontaminated hydrostatic test water according to the procedures and conditions of the application number 97-201. The application site is located Statewide in the State of Wyoming. This permit shall be effective until terminated by the Department of Environmental Quality.

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 standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the land application described herein. This permit verifies only that the submitted application meets the 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 of, the permitted activity. The permittee, owner and/or operator are solely responsible for any liability arising from the land application. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), 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 6 The applicant will file two copies of a notice of intent to make a land application of clean hydrostatic test water in accordance with the conditions of this Statewide permit. This notice should be filed with appropriate DEQ/WQD District Office (as shown by attachment 1) a minimum of 14 calendar days before the planned application. A copy of the notice of intent shall also be provided to the local emergency management agency at least 48 hours prior to the land application.
- 2 of 6 The applicant will provide immediate oral and/or written notice to the appropriate DEQ/WQD 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 the land application, the applicant will submit to the DEQ/WQD District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

- a. Date that the land application was made, the quantities applied; and
- b. Certification that the land application was made in accordance with the conditions of this permit.

4 of 6 The notice of intent shall include the following items:

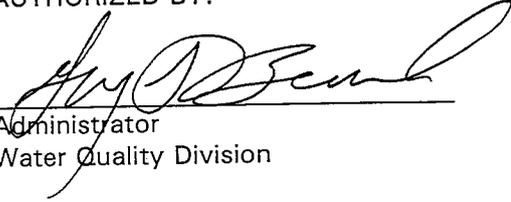
- a. The name, address and phone number of the applicant.
- b. The name, local address, and local phone number of the site supervisor for the land application.
- c. The name, address and written permission of the property owner.
- d. Description of the land application site, to include:
 - (1) Legal Description
 - (2) USGS 7 /12' Quadrangle Sheet with the limits of the land application and the nearest surface drainage marked. A good quality color copy of the area in question will be an acceptable substitute. Fax transmission or monotone copies will not be acceptable.
 - (3) A narrative description of the site, to include a discussion of the average slopes, maximum slopes, soil types, and vegetation types.
 - (4) Description of the facility to be tested, including a statement that it is all new construction.
 - (5) Source and quantity of water to be used for the hydrostatic test. Water from stock or domestic wells, municipal sources, or live streams need will not require water quality analysis. Water from all other sources will require analysis for the parameters identified in Wyoming DEQ/WQD Rules and Regulations Chapter VIII Table 1, groundwater standards.
 - (6) Method and rate of application.

5 of 6 Conditions to be met to allow use of the Statewide permit:

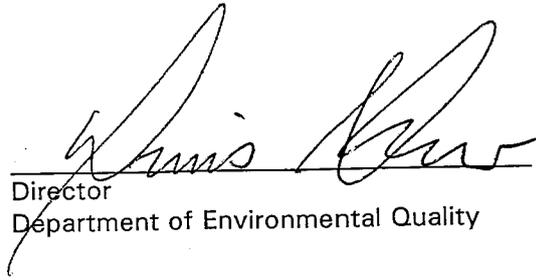
- a. The land application shall be conducted so that no violations of surface or groundwater standards will occur. Use of water with quality that does not meet Underground Water Class III standards, as defined by Wyoming DEQ/WQD Rules and Regulations Chapter VIII Table 1, will require a site specific land application permit.
- b. Must be applied so that runoff cannot reach surface waters of the State, to include intermittent streams and drainages.
- c. No additives of any type (for example, surfactants, corrosion inhibitors, or disinfection agents) may be introduced to the water.

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

6-18-97
Date of Issuance

LBH/bb/71997.ltr

cc: Jeff Hermansky, Don McKenzie, Randy Taylor, Todd Parfitt

Attachment 1: District Map

STATEMENT OF BASIS

I. General information.

A. Permit Number: 97-201

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.

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. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NO

- VII. Documentation of Statement of Basis.

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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on June 13, 1997. 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."

LBH/bb/71997.ltr

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

**DISTRICT OFFICES
 WATER QUALITY DIVISION
 STATE PROGRAM OPERATION SECTION
 DEPARTMENT OF ENVIRONMENTAL QUALITY**

June 16, 1997

DISTRICT #2 - NORTHWEST

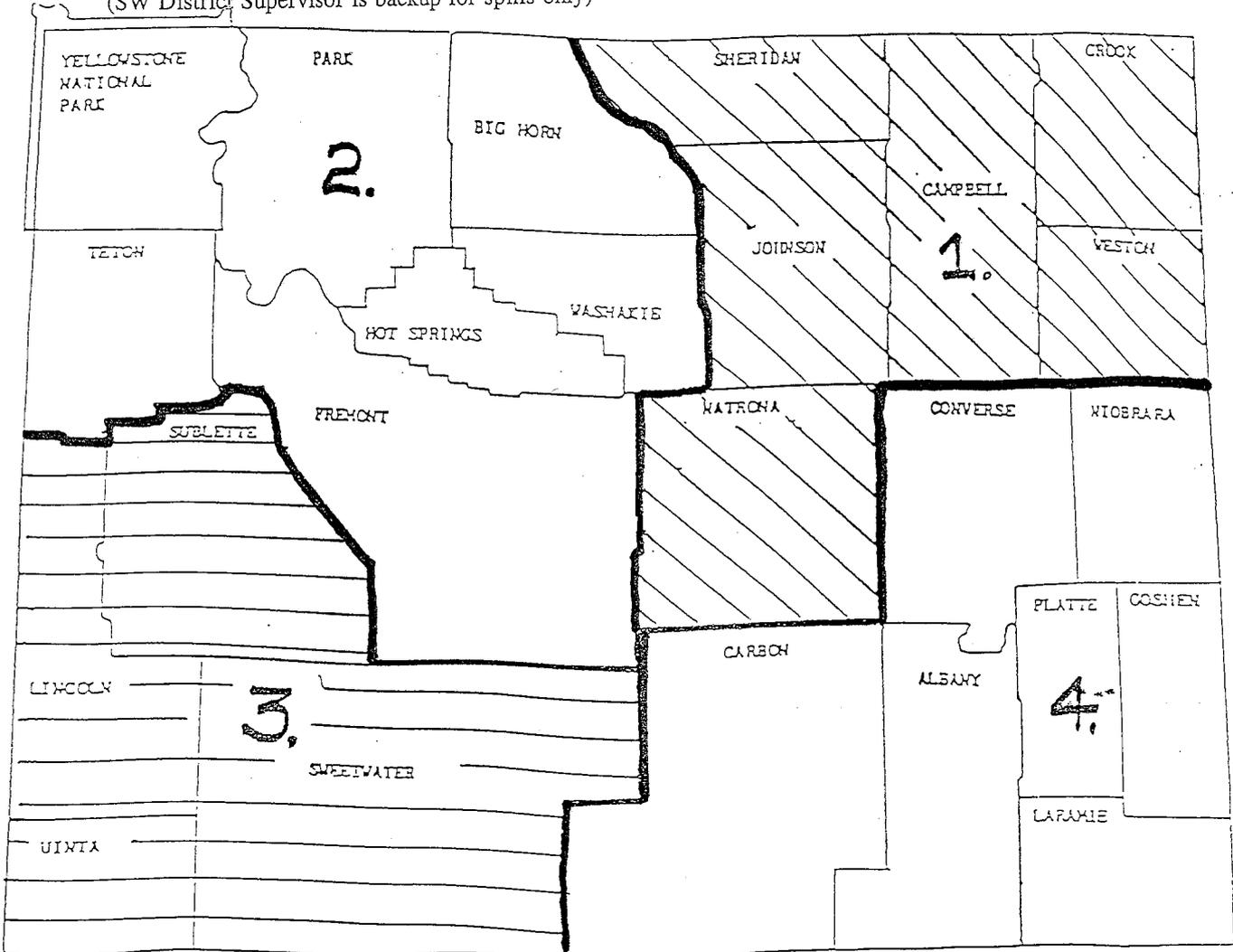
250 Lincoln Street, Ste 200
 Lander, Wyoming 82520
 (307) 332-3144
 Fax: (307) 332-7726

Jeff Hermansky 332-9050
 (SW District Supervisor is backup for spills only)

DISTRICT #1 - NORTHEAST

1043 Coffeen Avenue, Ste D
 Sheridan, Wyoming 82801
 (307) 672-6457
 Fax: (307) 674-6050

Don McKenzie 674-5059
 Brian Mark 672-7861



DISTRICT #3 - SOUTHWEST

250 Lincoln Street, Ste 200
 Lander, Wyoming 82520
 (307) 332-3144
 Fax: (307) 332-7726

Randy Taylor 332-7961
 (NW District Supervisor is backup for spills only)

DISTRICT #4 - SOUTHEAST

Herschler Building, 4W
 122 West 25th Street
 Cheyenne, WY 82002
 (307) 777-7781
 Fax: (307) 777-5973

Lou Harmon 635-7518
 Ron Ewald 778-8639

Larry Robinson 635-1316

Gary Beach 634-6393



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

October 1, 2009

Ms. Lindsey Brown
Antelope Flats USARC
651st QM CO
5141 Reserve Drive
PO Box 1120
Evansville, WY 82636

Subject: Tactical Water Purification System Hydrostatic Test Water Discharge

Dear Ms. Brown:

The Wyoming Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the 651st Quartermaster Company (QM CO) notice of intent to discharge water associated with the operation of the Tactical Water Purification System at Edness Kimball Wilkins State Park in Evansville, Wyoming.

QM CO is given permission to proceed under the DEQ/WQD Statewide Permit 97-201. This discharge shall occur in the northern portion of Edness Kimball State Park on the south bank of the North Platte River at 42d 51' 22"N 106d 10' 51" as agreed to by Mr. Richard Anderson, Park Superintendent on October 3, 2009. Please note, item 3 of 6 in the permit requires written notification within sixty days of the land application.

Sincerely,

Suzanne Engels
Assistant NE District Engineer
DEQ/WQD

SE/rm/9-0870

cc: IPS
Casper DEQ File
Richard Anderson, Edness K. Wilkins State Park, East Yellowstone HWY, Evansville, WY 82636

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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DEPARTMENT OF THE ARMY
651ST QUARTERMASTER COMPANY
5141 RESERVE WAY
P.O. BOX 1120
EVANSVILLE, WYOMING 82636

ARRC-CCA-SC-CAA

1 October 2009

Ms. Suzanne Engels
Wyoming Water Quality Division
152 N. Durbin St., Suite 100
Casper, WY 82601

Dear Ms. Engels:

This letter and enclosure constitute a notice of intent for coverage under Wyoming DEQ Permit # 97-201, *Statewide permit for land application of hydrostatic test water*, for the discharge of water associated with the operation of the Tactical Water Purification System (TWPS). The 651st Quartermaster Company (QM CO) will be training with the equipment on Saturday, October 3, 2009 at Edness Kimball Wilkins State Park. The 651st QM CO documents compliance with the permit with the permit conditions and requirements in the enclosed summary.

If you require additional information, please contact Ms. Lindsey Brown at 307-235-6419 or by email at lindsev.l.brown@usar.army.mil or Rick McKissock at 303-359-1014 or by email at richard.mckissock@usar.army.mil. Please address and mail written correspondence to: Antelope Flats USARC, 651st QM CO, 5141 Reserve Drive, PO Box 1120, Evansville, WY 82636.

Sincerely,

A handwritten signature in cursive script that reads "Lindsey Brown".

Lindsey Brown
651st QM CO
Unit Administrator/Facility Manager

Enclosure

**88th RSC, 651st QM CO
Water Discharge**

Documentation of Compliance with Conditions of Statewide Permit #97-201

1. The applicant will file two copies of a notice of intent to make a land application of clean hydrostatic test water in accordance with the conditions of this Statewide permit. This notice should be filed with appropriate DEQ/WQD District Office (as shown by attachment 1) a minimum of 14 calendar days before the planned application. A copy of the notice of intent shall also be provided to the local emergency management agency at least 48 hours prior to the land application.

By this submittal, the U.S. Army Reserve (USAR) provides Ms. Suzanne Engels, DEQ/WQD two copies of the notice of intent to land apply clean hydrostatic test water in accordance with the conditions of the Statewide permit. The 651st QM CO notifies the Natrona County Fire Department, Station 13, POC: Brian Oliver, 307-234-6694, by copy of this letter. Discharge is planned to begin and end on 3 October 2009.

2. The applicant will provide immediate oral and/or written notice to the appropriate DEQ/WQD District Office in accordance with the provisions of Section 9, Chapter 11, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

Should any changes or modification be planned for activities subject to this permit, the USAR will provide immediate oral and/or written notice to Ms. Suzanne Engels.

3. Within sixty days of completion of the land application, the applicant will submit to the DEQ/WQD District Office on the form provided (Certification of Completion), the following information:

- a. Date that the land application was made, the quantities applied; and
- b. Certification that the land application was made in accordance with the conditions of this permit.

Within sixty days of completion the USAR will document the application as required and certify completion of the application to Ms. Suzanne Engels.

4. The notice of intent shall include the following items:
- a. The name, address and phone number of the applicant.
**U.S. Army Reserve, 88th RSC
651st QM CO
Antelope Flats USARC
5141 Reserve Drive
Evansville, WY 82636
POC: Lindsey Brown, 307-235-6419**

- b. The name, local address, and local phone number of the site supervisor for the land application.

**U.S. Army Reserve, 88th RSC
651st QM CO
Antelope Flats USARC
5141 Reserve Drive
Evansville, WY 82636
POC: 1LT Benjamin M. Hewett, 307-235-6419**

- c. The name, address and written permission of the property owner.

A copy of the written permission to discharge is enclosed. The landowner is:

**Richard Anderson, Park Superintendent
Edness Kimball Wilkins State Park
East Yellowstone Hwy
Evansville, WY 82636
307-577-5150**

- d. Description of the land application site, to include:

- (1) Legal Description

The discharge will occur on a natural grass area in the northern portion of Edness Kimball Wilkins State Park on the south bank of the North Platte River at 42d 51' 22" N 106d 10' 51" W.

- (2) USGS 7 /12' Quadrangle Sheet with the limits of the land application and the nearest surface drainage marked. A good quality color copy of the area in question will be an acceptable substitute. Fax transmission monotone copies will not be acceptable.

See the attached maps, including a copy of a portion of a USGS map showing the approximate location of the discharge. (Attached at the end of the permit.)

- (3) A narrative description of the site, to include a discussion of the average slopes, maximum slopes, soil types, and vegetation types.

The equipment will be set up and operated on a paved parking area. The discharge will occur onto a natural grass area, approximately 50 feet from the south bank of the North Platte River. The soil is a Zigweid loam typical of the area. The park is flat with a gentle down slope north toward the river.

- (4) Description of the facility to be tested, including a statement that it is all new construction.

The project involves pumping water from the North Platte River into and through the TWPS filtering equipment and discharging into a grassy area south of the river. The TWPS equipment will only be on site temporarily during the operation. There will be no construction. See the attached spec sheet for the TWPS equipment.

- (5) Source and quantity of water to be used for the hydrostatic test. Water from stock or domestic wells, municipal sources, or live streams will not require water quality analysis. Water from all other sources will require analysis for the parameters identified in Wyoming DEQ/WQD Rules and Regulations Chapter VII Table 1, groundwater standards.

The water will be pumped from the North Platte River and filtered with physical filters only. No chemical filtration or additives will be used. As such, it will not be subject to water quality analysis.

- (6) Method and rate of application.

There will be approximately 5,000 gallons of water pumped, filtered, and discharged through the TWPS equipment. The pump and discharge rate will be 1,500 gal/hr and 300 gal/hr.

5. Conditions to be met to allow use of the Statewide permit:

- a. The land application shall be conducted so that no violations of surface or groundwater standards will occur. Use of water with quality that does not meet Underground Water Class III standards, as defined by Wyoming DEQ/WQD Rules and Regulations Chapter VIII Table 1, will require a site specific land application permit.

The USAR will discharge into a grassy area on the south bank of the North Platte River and will not use any chemical filtration or additives. The discharge will therefore comply with surface and groundwater standards.

- b. Must be applied so that runoff cannot reach surface waters of the State, to include intermittent streams and drainages

The water will be discharged only into the determined grass area and will be done in a manner to prevent any discharge from reaching any other water bodies. Monitoring of the discharge will be performed and appropriate measures taken as needed to ensure that the discharge does not reach the pond to the southwest.

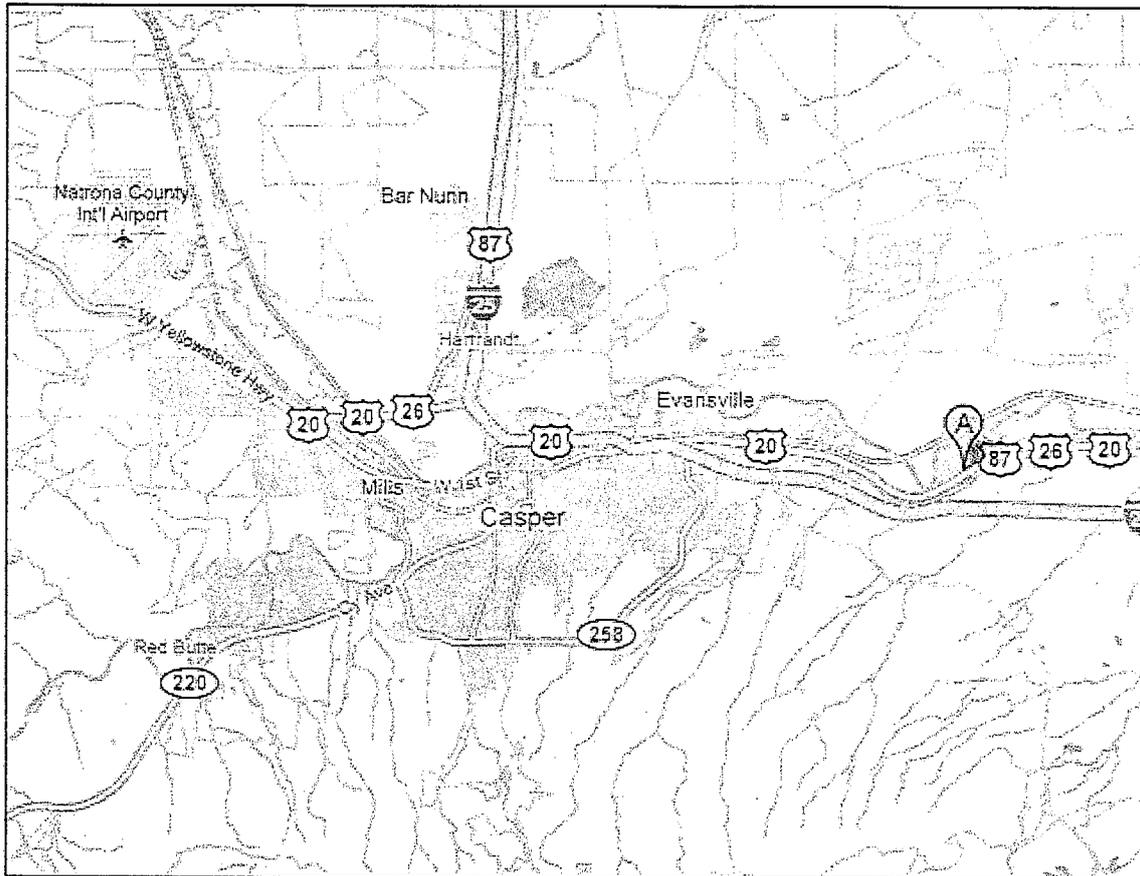
- c. No additives of any type (for example, surfactants, corrosion inhibitors, or disinfection agents) may be introduced to the water.

As noted above, the USAR will not use any chemical filtration or additives.

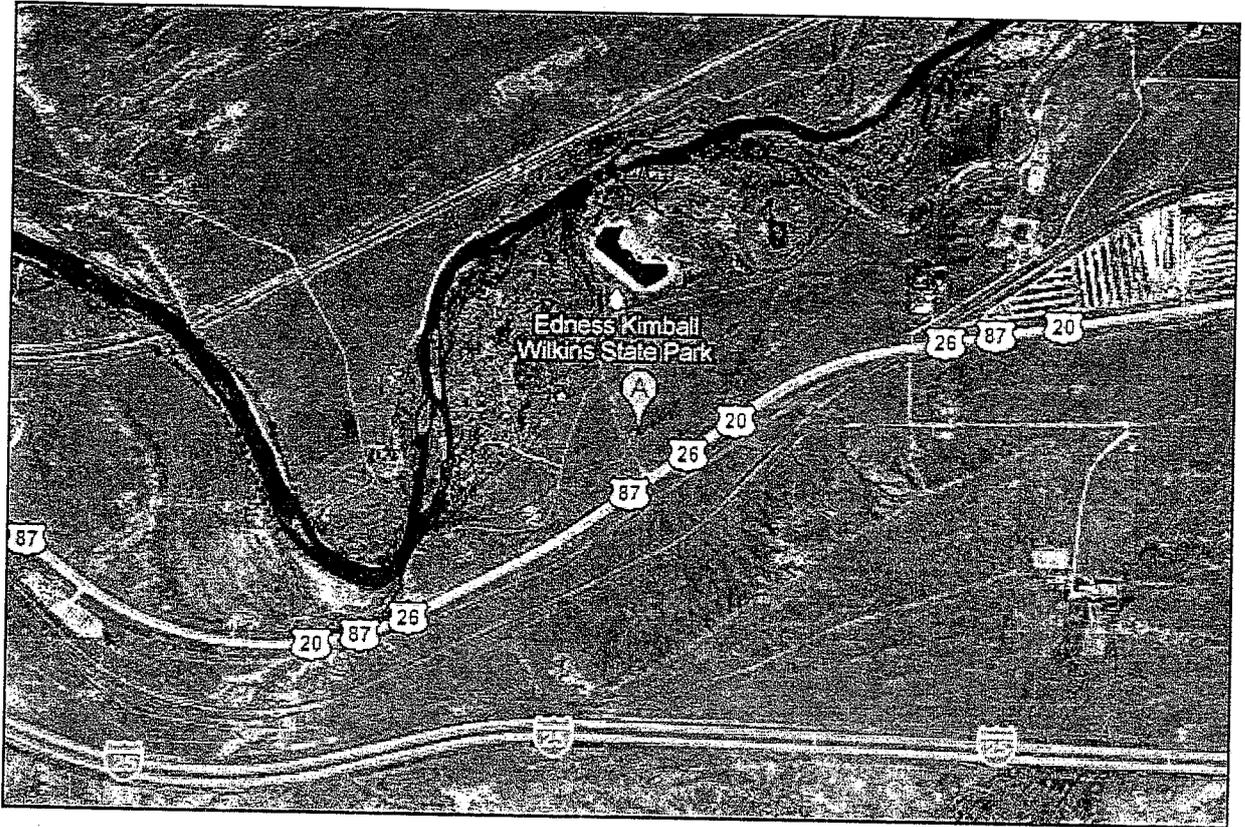
6. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis."

The USAR contends that this application is consistent with the "Statement of Basis" attached to permit #97-201. The USAR will perform the discharge to comply with this "Statement of Basis."

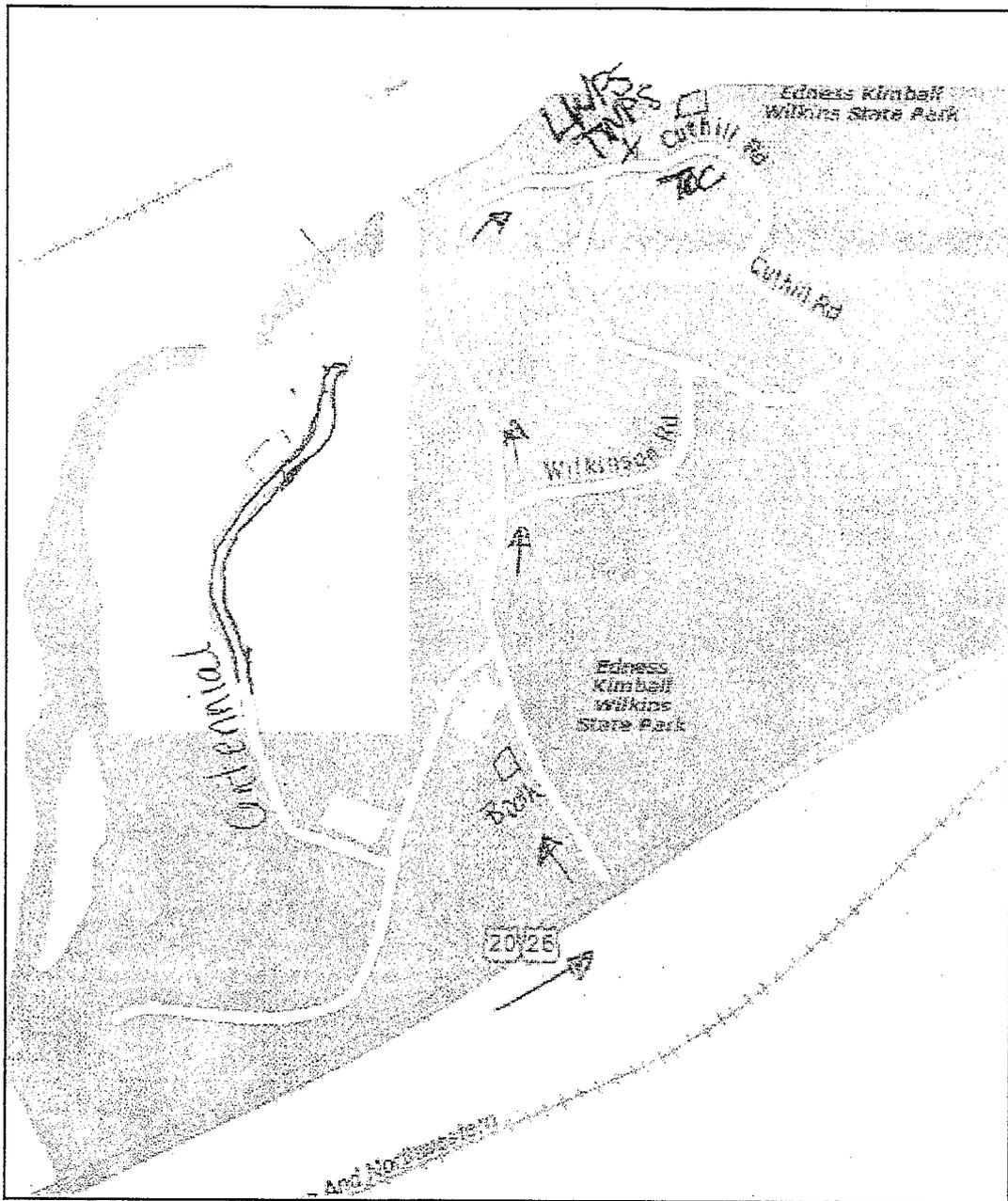
Map 1: Location of Edness Kimball Wilkins State Park, "A", in relation to Casper, WY.



Map 2: Aerial photo showing the location of the TWPS operation, indicated by the red star, in Edness Kimball Wilkins State Park.

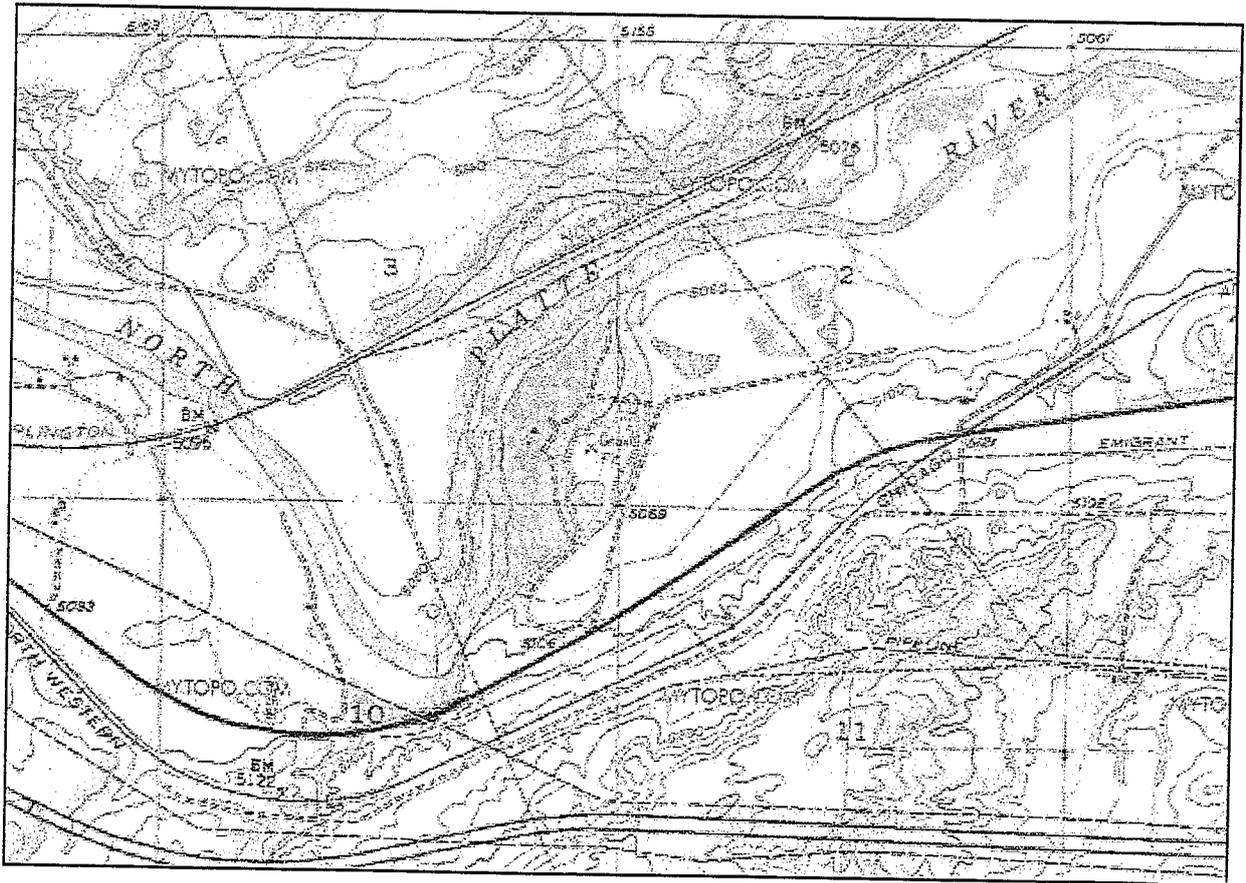


Map 3: Edness Kimball Wilkins State Park showing the traffic route, indicated by arrows and the set up locations indicated by "X."



Maps 4A and B: A portion of a USGS topographic map showing the location of Edness Kimball Wilkins State Park





Memorandum

To: Whom it may concern
CC: SFC Johnson, Ms. Lindsey Brown
From: Richard Anderson
Date: 10/1/2009
Re: Training at Edness Kimball Wilkins State Park

This is to inform you that the 651st Quartermaster Company of the US Army Reserve has permission to utilize the Park's amenities near the Half Moon Turnout at Edness Kimball Wilkins State Park to conduct their training on the 3rd and 4th of October, 2009. This includes the setting up, operating their drinking water equipment and discharging water onto the grassy area previously agreed upon by Supt Anderson and SFC Johnson.



Richard Anderson
Park Superintendent
(307) 577-5150



Defense Products Division

Tactical Water Purification System

Automotive Tilt
Table
Bare Base
Equipment
Containerized
Kitchen
Dockside Tool
Dispensary
Electronic
Systems
Mobile Dental
Unit
Tactical Water
Purification
System
Mobile Support
Service
Customers

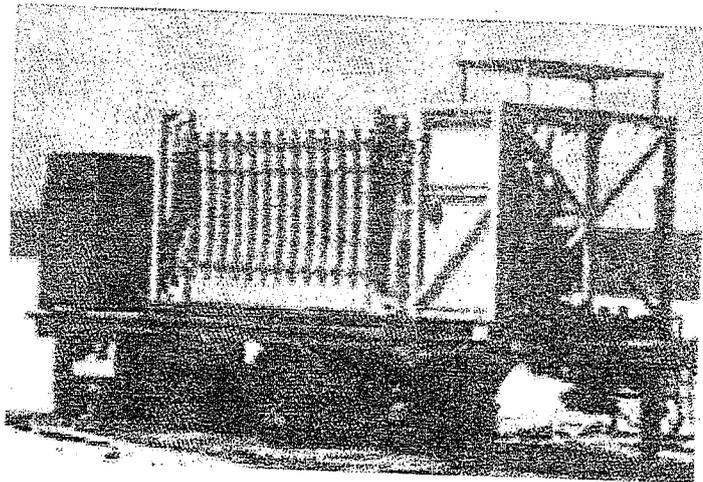
SFA-DPD has developed a state-of-the-art Tactical Water Purification System (TWPS). The incorporates advanced micro-filtration technology to filter out silt and biological materials disease-causing microorganisms such as Cryptosporidium. It also includes advanced, high rejection, reverse osmosis technology to produce drinking water from the extremely salty sources in the Middle East.

Operating from lakes and rivers, the 1500 TWPS produces 1500 Gallons per Hour (GPH) of water at any temperature. With the micro-filtration pretreatment, the TWPS is unaffected levels of turbidity (silt and dirt) encountered with some rivers and in flooding situations. C from normal seawater, the 1500 TWPS produces 1200 GPH of potable water at any temperature. From extremely salty seawater sources containing up to 60,000 mg/L-dissolved salts, the potab production is reduced to 900 GPH.

The system can operate in environments up to 120°F with 100% humidity including salt f With the winter kit deployed, it can operate at temperatures down to -25°F. All materials corrosion resistant and will provide a useful life in excess of 25 years.

In addition to military use, the 1500 TWPS is an excellent system for disaster relief water within the U.S. and in developing countries. The micro-filtration system has already prove capability in disaster relief during flooding of the Red River in the Midwest several years a combination of reverse osmosis and micro-filtration provided by the 1500 TWPS makes th excellent disaster relief asset anywhere in the world.

Tactical Water
Purification
System (TWPS)





Description:

Fully self-contained, except for fuel, for a 100-hour mission. It includes everything needed, including a water intake system, a 6000 Gallon water storage and distribution system, and all associated pumps and hoses. These as well as consumables, tools, and crew level repair parts are all packed into the TWPS for mission deployment.

The system is deployed by a 3-soldier crew and will produce water within 2 hours of arrival at the water point location. The system is automated and only requires one crewmember to maintain normal operation.

The Marine version is contained within a skidded frame 13' 9" long x 7' 2" wide x 6' high weighing 10,000 lb when fully packed for mission deployment.

The Army version is contained within a specially designed 8 x 8 x 20 ISO shelter compatible with the NATO Palletized Loading System (PLS) and HEMTT M1120 Load Handling System (LHS). This version includes a 60 kW Tactical Quiet Generator (TQG), an additional 9000-gallon storage and distribution system, a beach well system (OISS), and a complete winter kit packed within the shelter. The total weight is 23,000 lbs.

Both versions are NBC warfare survivable and both can purify water that has been contaminated with NBC warfare agents.

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-202
SPECIAL CONDITIONS

Town of Evansville Water Treatment Plant Modifications

This permit hereby authorizes the applicant:

Town of Evansville
ATTN: Mayor Bonnie Humphrey
P.O. Drawer 158
Evansville, WY 82601

to construct, install or modify a water treatment facility to increase chlorine contact time and to provide filter to waste piping according to the procedures and conditions of the application number 97-202. The facility is located in NE/4 of the SW/4, Section 36, Township 34 North, Range 79 West in the county of Natrona, 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, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

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.

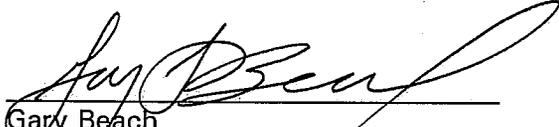
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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.

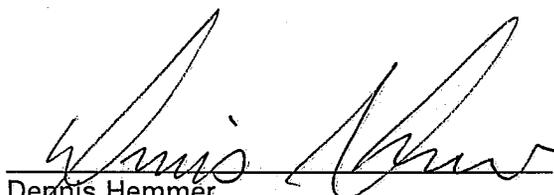
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 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. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

10-7-97
Date of Issuance

BDM/pr/ks 73027.ltr

cc: John Hibsman, P.E., Hibsman & Associates, 135 North Ash Street, Casper, WY 82601
Mike Jennings, Natrona County Health, 1200 E. 3rd, Casper WY 82601
Tom Curren, Natrona County Planning, 120 W. 1st, #200, Casper, WY 82601

STATEMENT OF BASIS

I. General information.

A. Permit Number: 97-202

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 III¹. (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 Brian Mark, Senior Analyst, and completed on October 3, 1997. 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

¹Sediment 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. 97-203
SPECIAL CONDITIONS

Worland Block 3, Decker Addition Water Main Replacement

This permit hereby authorizes the applicant:

City of Worland
P.O. Box 226
Worland, WY 82401

to construct a 6-inch, Class 150 PVC water main to replace a 4-inch CIP according to the procedures and conditions of application number 97-203. The facility is located in SE1/4 Sw1/4 Sec.25, T47N, R93W in the county of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years 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 (WQD), 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: Jeff Hermansky, Northwest District Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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.

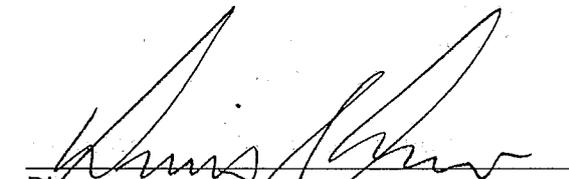
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the Northwest District Supervisor, Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 Northwest District Supervisor, Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 Northwest District Supervisor, Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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

7-9-97

Date of Issuance

JCH/bal/ks
72163.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: 97-203

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit.

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. Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

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.)

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

VII. Documentation of Statement of Basis.

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 3, 1997. 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. 97-204
SPECIAL CONDITIONS
REF/PERMIT #97-214

Wardwell Water and Sewer District Watermain Extension

This permit hereby authorizes the applicant:

Wardwell Water and Sewer District
P.O. Box 728
Mills, WY 82644

to construct, install or modify a watermain extension according to the procedures and conditions of the application number 97-204. The facility is located in the S/2 of Section 17, Township 34 North, Range 79 West in the county of Natrona, 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.

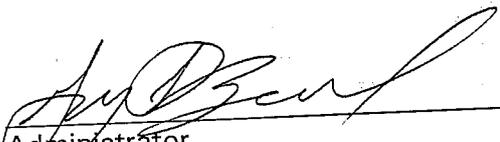
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

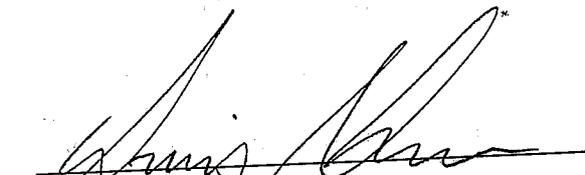
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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

7-9-97
Date of Issuance

BDM/pr/ks
72154.ltr

STATEMENT OF BASIS

General information.

A. Permit Number: 97-204

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 III¹. (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 Brian D. Mark, Senior Environmental Analyst, and completed on July 1, 1997. 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

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

AS-BUILT
PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 97-205
SPECIAL CONDITIONS
REF/PERMIT #

468 NORTH SIX MILE ROAD

This permit hereby authorizes the applicant:

Robert J. Hoepfner
468 North Six Mile Road
Casper, WY 82604

to have constructed, installed or modified monitor wells according to the procedures and conditions of the application number 97-205. The facility is located in SE 1/4 Section 4, Township 33N, Range 80 West in the county of Natrona, 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, meets 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.

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 has constructed and shall 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. Well caps must be kept locked at all times other than for monitoring purposes. Any tampering with the well needs to be reported immediately to the Water Quality Division.
2. Prior to sampling, wells must be purged until a minimum of three casing volumes have been removed, or until purged dry, whichever occurs first. Sample collection, preservation, transportation and chemical analysis must be completed in accordance with WQD and EPA standard procedures.
3. No monitoring well shall be abandoned without prior approval from the Water Quality Division. After the monitoring wells have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations.
4. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
5. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - a. 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. The analytical techniques or methods used; and
 - vi. The results of such analyses.
 - vii. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

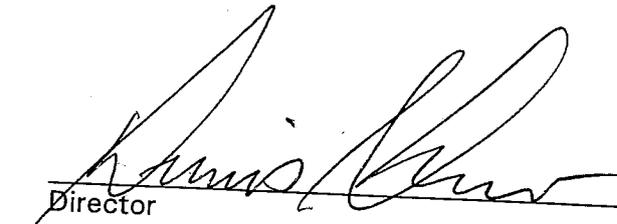
WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED
All	Semi-annual	EPA 8015 Mod	Total Petroleum Hydrocarbons

The analytical results of the sampling shall be submitted to the following address:
WDEQ/WQD/Groundwater Program, 1043 Coffeen Ave., Sheridan, WY 82801. The results are due
upon receipt.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

6-18-97
Date of Issuance

WDF/bb/72002.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: SITE CHARACTERIZATION

FACILITY: 468 North Six Mile Road

APPLICANT: Mr. Robert J. Hoepfner
468 North Six Mile Road
Casper, WY 82604

CONSULTANT: James E. Meador, Jr.
Western Environmental
913 Foster Road
Casper, WY 82601
(307) 234-5511

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 97-205

EXISTING NEW AS BUILT

TITLE: MONITOR WELL PERMIT

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: 6/10/97

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING GEOLOGIST: Don Fischer

DATE OF THIS REVIEW: 6/12/97

ACTION: AS-BUILT PERMIT TO CONSTRUCT NUMBER 96-205 AUTHORIZED

COMMENTS: GROUNDWATER SECTION

I. SUMMARY OF EXISTING CONTAMINATION:

Contamination was found during the removal of a gasoline underground storage tank located at 468 North Six Mile Road, west of Casper. The tank was removed and ultimately decommissioned. One hundred and twenty yards of contaminated soil was removed and will be disposed of in the Casper Landfill. The hole was "over-excavated" to ensure that the source of the contamination was removed. This was done under the supervision of the WDEQ/Solid and Hazardous Waste Division. A letter from Bob Doctor, SHWD, was sent to the consultant, James Meador, stating that no further excavation was required.

Two monitor wells were installed at the site to further investigate the contamination. In addition, a shallow domestic water supply well exists at the site. The monitor wells and domestic supply well were sampled for Total Petroleum Hydrocarbons (TPH), BTEX compounds, sulfate, nitrate, ferrous iron and pH, with the latter compounds sampled to aid in determining the effects of natural attenuation. The following table displays the analytical results of the most recent sampling event.

JUNE 6 1997 GROUNDWATER ANALYTICAL RESULTS

PARAMETER	MW # 1	MW #2	DOM. WELL	STANDARD
TPH (mg/l)	15.2	ND	ND	10
BENZENE (ug/l)	ND	ND	ND	5.0
ETHYL-BENZENE (ug/l)	74	ND	ND	700
TOLUENE (ug/l)	75	ND	ND	1,000
XYLENES (ug/l)	5630	ND	ND	10,000
pH	7.37	7.39	7.28	BKGD
IRON II (mg/l)	ND	ND	ND	BKGD
SULFATE (mg/l)	752	1630	530	BKGD
NITRATE (mg/l)	7.15	3.63	10.01	BKGD

NOTE: ND = not detected at laboratory detection limit
 BKGD = Background
 Shaded area denotes exceedence of standard

The aquifer is classified pursuant to Water Quality Rules and Regulations, Chapter VIII, as a Class I aquifer by use.

II. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

The source of the contamination has been removed. Monitor well #1 was placed in the excavation and is the only well to demonstrate contamination of the groundwater. This indicates that the groundwater contamination is very localized.

III. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

1. There appears to minimal and localized groundwater contamination at this site after the removal of the gasoline underground storage tank. BETX compounds are all below WDEQ/Water Quality Division standards. However, the Total Petroleum Hydrocarbon concentration does exceed the WQD standard of 10 milligrams/liter. The department is requiring additional groundwater sampling and analyses of the two monitor wells and one domestic water supply well to ensure that the groundwater will remediate to a concentration that will not exceed the WQD standard for TPH. The first round of sampling shall occur in July, 1997. Future sampling shall occur on a semi-annual basis for TPH until the concentration no longer exceeds the WQD standard. The results of the analyses shall be submitted to the WQD/Groundwater Program in Sheridan upon receipt.
2. Upon determination by the department that no further action is required, the applicant shall submit a plan for proper plugging and abandonment of the monitor wells. The abandonment shall be in accordance with WQD Rules and Regulations Chapter 11, Part G, Section 70.

END OF REVIEW



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 12, 1997

Robert J. Hoepfner
468 North Six Mile Road
Casper, WY 82604

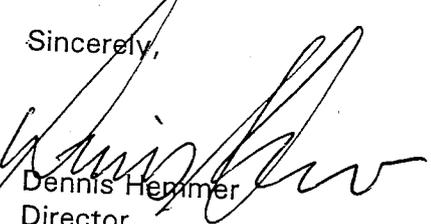
RE: As-Built Permit To Construct, WQD Reference Number 97-205

Dear Mr. Hoepfner:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the referenced As-Built Application submitted by your engineer, Mr. James Meador, Western Environmental Services and Testing, Inc. Our review of the information and as-constructed plans submitted to this office indicates that the application meets DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued. The enclosed permit covers the groundwater monitoring wells which have been constructed.

Please be advised that the system must be constructed, installed and operated in accordance with the statements, representations, and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit, and permit conditions. Any person objecting to a permit issued by the DEQ and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the Rules of Practice and Procedure for the Department of Environmental Quality and the Wyoming Administrative Procedures Act.

Sincerely,


Dennis Hemmer
Director
Department of Environmental Quality

DH/bb/72001.ltr
Enclosures

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. #97-206
SPECIAL CONDITIONS

Lander - Highway 287 Sewer Crossing

This permit hereby authorizes the applicant:

City of Lander
240 Lincoln
Lander, WY 82520

to construct an 8-inch diameter PVC sewer with 2 manholes according to the procedures and conditions of application number #97-206. The facility is located in SW1/4 Sec.17, T33N, R99W in the county of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit 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 (WQD), 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: Jeff Hermansky, Northwest District Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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.

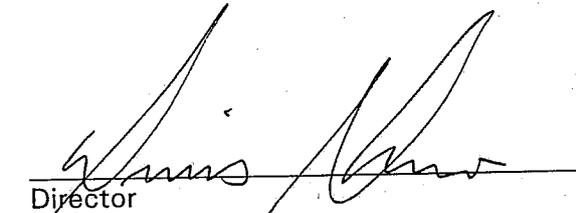
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify Jeff Hermansky, Northwest District Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 Jeff Hermansky, Northwest District Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 Jeff Hermansky, Northwest District Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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

6-19-97

Date of Issuance

JH/bal/ks
72033.ltr

STATEMENT OF BASIS

General information.

Permit Number: 97-206

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit.

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. Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

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.)

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

VII. Documentation of Statement of Basis.

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 17, 1997. 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."

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Buffalo Gardens/Buffalo Ridge, 5th Filing: Water Main

ENGINEER: Daryl G. Johnson
A.V.I. Professional Corporation
2035 Westland Road
Cheyenne, Wyoming 82001
Phone: 637-6017

APPLICANT: Cheyenne Board of Public Utilities
2100 Pioneer Avenue
Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 97-207

REVIEWING ENGINEER: Ronald L. Ewald *RLE*

DATE OF REVIEW: June 17, 1997

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Engineering Design Report (EDR) Required - Chapter XII, Section 6 of the Water Quality Rules and Regulations requires that an EDR be submitted with all permit to construct applications. It does not have to be of any particular length or format, but one does need to be submitted. The EDR should answer such pertinent questions as:
 - a. What is being done and why,
 - b. What are the existing conditions,
 - c. Provide engineering justification as needed; such as flow calculations or projections, and pressure analysis (especially for fire flows situations), and so on.

The type of information which should be included in an EDR is described in Chapter XII, Section 6.

RLE/bb/72034.ltr

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Buffalo Gardens & Buffalo Ridge Estates 5th Filing - Water Main

ENGINEER: Daryl G. Johnson
A.V.I. Professional Corporation
2035 Westland Road
Cheyenne, Wyoming 82001
Phone: 637-6017

APPLICANT: Cheyenne Board of Public Utilities
2100 Pioneer Avenue
Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 97-207

REVIEWING ENGINEER: Ronald L. Ewald RLE

DATE OF REVIEW: July 30, 1997

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Valve Spacings Are Too Far Apart - Chapter XII, Section 14(c) of the Wyoming Water Quality Rules and Regulations (WQR&R) requires that "Valves shall be located at not more than 500 foot intervals in commercial districts." The plans submitted are for approximately 1000 feet of new water main. A valve is shown at the west end of the new main, but that is all. There is not a valve indicated at the east end of the new main where it connects to the existing main. Also, there is no valve indicated on the existing main at this location. Please provide more valves to meet the 500 foot maximum spacing requirement.
2. Sewer Main Locations - Are there any sewer mains in close proximity (within 10 feet horizontally) to this new water main, or do any sewer mains cross the new water main at any point along it's length?



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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September 15, 1997

Cheyenne BOPU
Attn. Herman Noe
2100 Pioneer Avenue
Cheyenne, Wyoming 82001

RE: Permit Reporting Requirements for Permit Number - 97-207

Dear Mr. Noe:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
3E District, Water Quality Division

RLE/mad 72833.LTR

Enclosure: Permit Referenced Above
cc: Daryl G. Johnson, A.V.I. Professional Corporation, 2035 Westland Road,

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. 97-207
SPECIAL CONDITIONS

Buffalo Gardens/Buffalo Ridge, 5th Filing: Water Main

This permit hereby authorizes the applicant:

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

to construct, install, or modify water distribution mains according to the procedures and conditions of the application number 97-207. The facility is located in the SE 1/4 of Section 21, 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, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits, or orders.

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 Engineering 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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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. **Backflow Prevention** - Backflow prevention is not specifically discussed. Therefore, all the residential or domestic nature service taps connected to **new water mains** shall be protected by at least a **check valve** in accordance with the DEQ/WQD Rules and Regulations Chapter XII Section 14(i)(A). Those taps providing other than residential or "domestic nature only" commercial service must have backflow prevention as recommended by AWWA Standard M14.

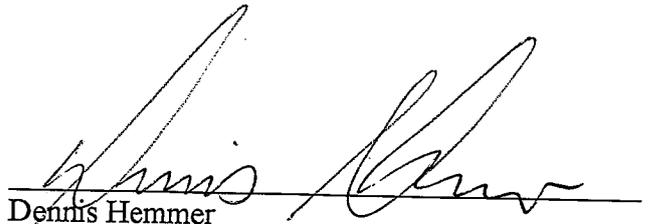
Permit Number 97-207

5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

9-16-97

Date of Issuance

RLE/mad 72834.LTR

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-207
- 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 III¹. (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.

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 September 15, 1997. 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."

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

AS-BUILT
PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 97-208
SPECIAL CONDITIONS
REF/PERMIT #93-357

Haddenhorst Holding Tank

This permit hereby authorizes the applicant:

Fred & Joe Haddenhorst
7264 South Harrison Way
Littleton, CO 80122

to have constructed a holding tank for a two bedroom cabin according to the procedures and conditions of application number 97-208. The facility is located in SE ¼ of Section 15, T53N, R89W in the county of Big Horn, 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, meets 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 (WQD), 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 has constructed and shall 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.

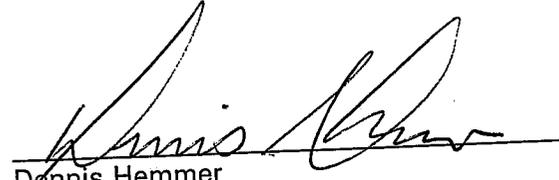
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1 of 1 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-28-97

Date of Issuance

RJC/rc/ks
72379.ltr

STATEMENT OF BASIS

General information.

Permit Number: 97-208

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.

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.

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

Chapter XI, Section 43(a) Uses: Where holding tanks are allowed, they shall be sized on the basis of seven days storage at the flow rate determined from Table 1.

Chapter XI, Section 43(e) Alarm: All holding tanks shall be equipped with a high water level alarm. The device shall be an audible alarm or an indoor illuminated alarm.

B. Briefly state the basis for the deviation.

A 1,400 gallon holding tank should be required for this size of cabin instead of the 1,000 gallon holding tank that currently exists at this cabin, but this is a seasonal facility with low flows and the owner states that this holding tank has been operating adequately since the summer of 1996.

A rod attached to a float where the level of wastewater in the holding tank can be monitored has been installed on the holding tank but it is not an audible alarm or an indoor illuminated alarm. Since this is a seasonal facility (cabin) with low flows level control can be visually monitored through this system as is built.

C. Permit based on general or statewide deviation contained in approved policy statement.

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

N/A

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected.

N/A

VII. Documentation of Statement of Basis.

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 Robin J. Coffey, Senior Environmental Analyst, and completed on 07/21/97. 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."

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



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 23, 1997

Fred & Joe Haddenhorst
7264 South Harrison Way
Littleton, CO 80122

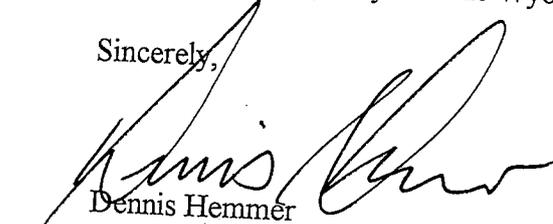
RE: As-Built Permit To Construct, WQD Reference Number 97-208

Dear Mr. & Mrs. Haddenhorst:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the above referenced As-Built Application submitted by you. Our review of the information and as-constructed plans submitted to this office indicates that the application meets DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued. The enclosed permit covers a holding tank for a two bedroom cabin which has already been constructed.

Please be advised that the system must be constructed, installed and operated in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions. Any person objecting to a permit issued by the DEQ and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the Rules of Practice and Procedure for the Department of Environmental Quality and the Wyoming Administrative Procedures Act.

Sincerely,


Dennis Hemmer
Director
Department of Environmental Quality

DH/rjc/ks
72379a.ltr

Enclosure



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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April 22, 1998

Camp Eagle Rock
C/O Susan Jennings
P.O. Box 40
Buffalo, WY 82834

RE: Camp Eagle Rock Septic System
Application UIC 97-209
Johnson County, Wyoming

Dear Ms. Jennings:

Your application is considered inactive and is being returned to you under the assumption that you do not wish to proceed with the permitting process.

This project has not been issued a permit, under any Water Quality Division program. Construction of this facility without a permit is a violation of the Environmental Quality Act and is punishable with fines not to exceed \$10,000 per day of violation. If this project has been constructed, it is your responsibility to immediately contact this office and follow through with the permitting process. Water Quality Division has now promulgated a new Chapter 16 which replaces Chapter 9 in regulating large capacity septic systems. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter 16, Water Quality Rules and Regulations must be followed. A copy of Chapter 16 is enclosed.

Sincerely,

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

RFL/mad 81293.LTR

cc: Kieth Neustel, Grizzly Engineering, Inc., P.O. Box 1004, Buffalo, WY 82834

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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August 28, 1997

John Dolan
K N Field Services, Inc.
P.O. Box 281304
Lakewood, CO 80228-8304

RE: **Federal Hanagan 1-15 Water Disposal Well**
Permit number: **UIC 97-210**
Fremont County, Wyoming

Dear Mr. Dolan:

Enclosed please find the signed UIC permit for this well and a copy of the bond. You are free to complete this well at this time and install all of the required surface equipment as described in the permit application.

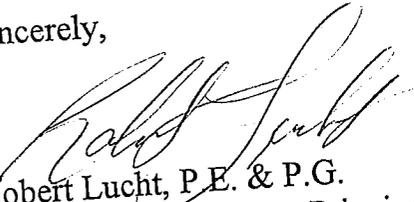
The Department of Environmental Quality has accepted bond number 311457 issued by the Seaboard Surety Company in the amount of \$40,000.00 to guarantee the plugging and abandonment of the well itself and the complete reclamation of all surface disturbance associated with the operation of the Federal Hanagan 1-15 under permit UIC 97-210. A copy of the bond is attached.

This permit requires submission of quarterly reports. The attached form should be used for these reports. Each report must be signed by: 1) a corporate officer of at least a Vice President level, or 2) a person designated in writing to sign these reports by a corporate officer of at least a Vice President level. I would encourage you to obtain a letter from your corporate Vice President designating one or two subordinates who can sign the reports. Such

John Dolan
K N Field Services, Inc.
August 28, 1997
Page 2

an authorization letter can be written to a specific individual by name or can be written to cover anyone who has a specific job title within your company.

Sincerely,



Robert Lucht, P.E. & P.G.
UIC & AUST Program Principal
Water Quality Division

RFL:ks
72708.ltr

xc: Lander District Office w/ encl
Seaboard Surety Company, c/o Barnard Insurance, P.O. Box 1030, Casper, WY
82602 w/encl

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

(X) New
() Modified

Permit Number UIC 97-210

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: K N Field Services, Inc.
P.O. Box 281304
Lakewood, CO 80228-8304
(303) 768-3688

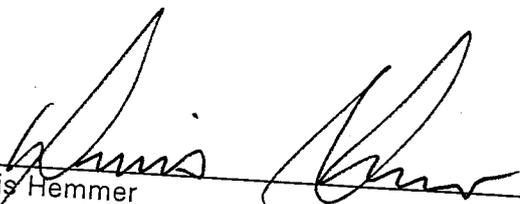
is authorized to operate the *Federal Hanagan 1-15 Water Disposal Well* in the NW ¼ SW ¼, Section 15, Township 36 North, Range 91 West, of the 6th Principal Meridian, Fremont County; according to the procedures and conditions of application 97-210 and requirements and other conditions of this permit as contained in pages 1 through 15.

permit shall become effective on date of issuance.



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

Date 8/21/97



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

Date 8-26-97

A. Discharge Zone

This injection well is authorized to inject into the Lower Fort Union Formation which is found in the well bore from 5,086 to 8,830 feet below the ground surface. Additional perforations may be installed within the above named interval of the authorized Formation with the prior approval of the Water Quality Division. The initial perforations in this well are from 7,504 to 7,534; 7,576 to 7,609; 8,062 to 8,094; 8,168 to 8,176; and 8,186 to 8,194 feet below the ground surface.

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

1. The well authorized by this permit is located in:

Township 36 North, Range 91 West, 6th Principal Meridian
Section 15: NW $\frac{1}{4}$ SW $\frac{1}{4}$

2. The Area of Review around this well is legally described as:

Township 36 North, Range 91 West, 6th Principal Meridian

Section 2: SW $\frac{1}{4}$ SW $\frac{1}{4}$

Section 3: S $\frac{1}{2}$ S $\frac{1}{2}$

Section 4: S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$

Section 8: SE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$

Section 9: All

Section 10: All

Section 11: W $\frac{1}{2}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$

Section 14: All

Section 15: All

Section 16: All

Section 17: E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$

Section 20: E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$

Section 21: All

Section 22: All

Section 23: W $\frac{1}{2}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 26: NW $\frac{1}{4}$

Section 27: N $\frac{1}{2}$

Section 28: N $\frac{1}{2}$

Section 29: NE $\frac{1}{4}$ NE $\frac{1}{4}$

C. Groundwater Classification

1. The groundwater in the Lower Fort Union Formation is classified as class VI 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 as such a depth that recovery of this water and treatment for drinking water purposes is not practical;

and

c. This formation naturally contains traces of oil and gas and cannot be reasonably expected to provide a source of drinking water at this location.

D. Authorized Operations

1. K N Field Services, Inc. is authorized to inject 2,004 barrels per day, (84,168 gallons per day) of industrial wastes as described:

a. Well workover wastes

This category includes: Water associated with drilling fluids used during the drilling of any oil and gas well or the water supply wells on oil and gas locations; Rig wash water; Well completion, treatment and stimulation fluids; Waste produced during any workover or abandonment of an oil or gas well or test hole; Wastes from subsurface gas storage and retrieval; Liquid hydrocarbons removed from the production stream but not from oil refining; Materials ejected from a producing well during the process known as blowdown;

K N Field Services, Inc. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Well workover wastes- Authorization# 1997-1**", rather than the name of the company generating the wastes.

b. Water and other tank bottoms

This category includes: Water and other tank bottoms from the storage facilities that hold crude oil, natural gas, gas condensate, or wastes which are exempt under the Oil and Gas Exploration and Production Exemption to RCRA.

At least once every three years, K N Field Services, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each source of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "**Water and other tank bottoms- Authorization# 1997-2**" rather than the name of the company generating these wastes.

c. Gas plant sweetening and dehydration wastes

This category includes: Gas plant sweetening wastes for sulfur removal including amines, backwash, and any wastes produced by a Bevon Stetford processing plant; Gas plant dehydration wastes, and backwash. To date over 13,072 barrels of glycol containing wastes, 1909 barrels of spent caustics, and 20 barrels of amine containing wastes, have been disposed of in the Horse Creek Federal 1-8.

At least once every three years, K N Field Services, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each company generating such wastes which are accepted under this provision. These analyses shall be accompanied by a complete description of the waste sampled including the plant name and location, and whether the waste is glycol, amine, or caustic waste. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your

quarterly report under the title "Gas Plant Wastes - Authorization# 1997-3" rather than the name of the company generating these wastes.

d. Miscellaneous Oilfield Related Wastes

Cooling tower blowdown wastes on gas plant or other exempt sites; Packing fluids; Pigging wastes from in field gathering lines, but not from interstate pipeline systems;

Once every three years, K N Field Services, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each source of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "Miscellaneous Oilfield - Authorization# 1997-4" rather than the name of the company generating these wastes.

e. Regulated Underground and Above Ground Storage Tank Wastes

Wastes generated during the removal or maintenance of Underground or Above Ground Storage Tanks, so long as those tanks are regulated facilities under the Above Ground and Underground Storage Tank Program administered by the Water Quality Division. Under this provision, wastes including water from inside an active tank, water found inside the tank during a removal operation, groundwaters contaminated by gasoline and diesel, and water used in any form of testing operation, may be injected without analyses and without prior approval. K N Field Services, Inc. shall obtain a written statement from the generator of any such waste stating that the waste is from a storage tank regulated by the Water Quality Division. These statements shall contain the certification statement found in your permit. Please account for all such wastes on your quarterly report under the title "Regulated Tank Wastes - Authorization# 1997-5" rather than the name of the company generating these wastes.

f. Oilfield Produced Water

This category includes all waters produced directly with the production of oil and gas and collected in the field where the oil and gas were produced. It does not include tank bottoms, or water accumulated in gas processing plants, refineries, or Intrastate or Interstate Pipe Line facilities.

K N Field Services, Inc. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "Oilfield Produced Water- Authorization# 1997-6", rather than the name of the company generating the wastes.

g. Sump Wastes

Wastes known as "sump wastes" from floor drains and septic tanks at various sites. This general category includes wastes from sumps in automotive shops, gasoline stations, oilfield service industries, airports, and similar shops which perform mechanical work. This category does not include industrial process wastes from manufacturing operations or wastes from sumps in shops which do not perform mechanical work. These wastes must be characterized fully prior to disposal to insure that they are not hazardous wastes. The Water Quality Division will issue a letter of approval for each new source of waste under this category prior to K N Field Services, Inc. accepting the first lot of waste. In order to obtain such an approval letter, K N Field Services, Inc. shall submit a complete written description of the waste, including the name of the company generating the waste, the address or legal description of the location where the waste was produced, a description of the processes that produced the waste, and a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Based on this information, the Water

Quality Division may issue an approval letter for the disposal of non-hazardous sump waste for a duration of no more than three years.

In order to renew a previously approved source, once every three years, K N Field Services, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Please account for all such wastes on your quarterly report under the title "**Miscellaneous Sump Waste - Authorization# 1997-7**" rather than the name of the company generating these wastes.

h. Bevill Amendment Wastes

The Bevill Amendment exempts most wastes generated in the mining industry from regulation under RCRA. Wastes covered by the Bevill Amendment to RCRA are detailed in 40 CFR 261.4(b)(7). This section of 40 CFR 261 sets up two types of mining wastes which are exempt, beneficiation wastes and processing wastes. The two terms are almost interchangeable, except that processing usually refers to a process which produces a final end product, while beneficiation produces an intermediate product which must be further refined to be used. Once every three years, K N Field Services, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Please account for all such wastes on your quarterly report under the title "**Bevill Amendment Waste - Authorization# 1997-8**" rather than the name of the company generating these wastes.

i. Water well wastes

This category of fluids includes: Water associated with drilling fluids used during the drilling of any water supply well; Rig wash water; Well completion, treatment and stimulation fluids; Waste produced during any workover or abandonment of a water well or test hole including spent acid from acid fracturing or well acidizing jobs.

K N Field Services, Inc. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Water well wastes- Authorization# 1997-9**", rather than the name of the company generating the wastes.

j. Miscellaneous Non-hazardous wastes

In addition to the authorizations contained in this permit, K N Field Services, Inc. may still obtain additional approvals for wastes which do not fit any of the above classifications. Any such waste must be characterized fully in order to insure that this waste is not a hazardous waste. The Water Quality Division will issue a letter of approval for each new source of waste under this category prior to K N Field Services, Inc. accepting the first lot of waste. In order to obtain such an approval letter, K N Field Services, Inc. shall submit a complete written description of the waste, including the name of the company generating the waste, the address or legal description of the location where the waste was produced, a description of the processes that produced the waste, a certification that the waste is not a listed hazardous waste, and a comprehensive water analyses for the waste. Since this is a very broad category of wastes, the exact analyses required will be based on the type of processes that generate the waste, and the type of contaminants likely to be present in the waste. Based on this information, the Water Quality Division may issue an approval letter for the disposal of non-hazardous waste for a duration of no more than three years.

In order to renew a previously approved source, once every three years, K N Field Services, Inc. shall obtain a comprehensive water analyses including all parameters included in the initial approval. Please account for all such wastes on your quarterly report under the title "Miscellaneous Non-Hazardous Waste - Authorization# 1997-10" rather than the name of the company generating these wastes.

k. For each type of waste accepted under any of the blanket authorizations contained in this permit, K N Field Services, Inc. shall require that the company generating these waste provide a full written description of the wastes to support the fact that the wastes are similar to the wastes described in the authorization. K N Field Services, Inc. shall keep records on site concerning the source of all such wastes. All wastes accepted under any authorization contained in this permit shall be neutralized to a pH of greater than 2.0 and less than 12.5.

2. K N Field Services, Inc. is authorized to inject at a pressure of no more than 1,300 psig as measured at the wellhead.
3. Within the first year of operation, K N Field Services, Inc. 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. K N Field Services, Inc. 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, K N Field Services, Inc. shall limit the injection pressure to 90% of the new fracture pressure as measured on the surface.
4. The wastes injected shall generally be from operations described by the following SIC codes, but are not limited to wastes described by these codes: 013, 029, and 492

E. Hazardous Waste

1. This permit does not allow for the injection of any hazardous waste as defined by Chapter 2, Section 1(c), Wyoming Hazardous Waste Rules and Regulations. 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

1. K N Field Services, Inc. shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.
2. K N Field Services, Inc. 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.
3. The injection well covered by this permit shall meet all construction requirements outlined in Chapter XIII, Section 11 of the Wyoming Water Quality Rules and Regulations.
4. K N Field Services, Inc. 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

- K N Field Services, Inc. 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

- K N Field Services, Inc. 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. K N Field Services, Inc. is required to provide detailed information concerning the quality of the groundwater in the vicinity of this injection well as follows:

WELL NAME NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
GLG Energy L.P. Deer Creek Wa- ter Well U.W. 82675	One Time be- fore Injection	EPA Method 160.1	Total Dissolved Solids	NONE
		EPA Method 150.1	pH	
		EPA Method 236.1 or equivalent	Iron	
		EPA Method 258.1 or equivalent	Potassium	
		EPA Method 273.1 or equivalent	Sodium	
		EPA Method 242.1 or equivalent	Magnesium	
		EPA Method 325.2 or equivalent	Chlorides	
		EPA Method 375.2 or equivalent	Sulfate	

WELL NAME NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
GLG Energy L.P. Deer Creek Water Well U.W. 82675	One Time before Injection	Any generally accepted Method	Carbonate	NONE
		Any Generally Accepted Method	Bicarbonate	

*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 μ mhos/cm.

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

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

4. 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 continuing groundwater monitoring plan is required.

I. Requirements for Monitoring the Discharge

1. K N Field Services, Inc. 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.
2. K N Field Services, Inc. shall shut the well covered by this permit in annually for a period of time long enough to observe a valid pressure falloff curve. This test shall be considered complete when the pressure curve becomes asymptotic to a straight line on the Miller-Dyes-Hutchinson (MDH) plot. K N Field Services, Inc. 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. Prior to injection of any waste into any new well drilled or converted under this permit, K N Field Services, Inc. shall record the static reservoir pressure for the receiver.
3. K N Field Services, Inc. shall monitor the quality of the injected water on an approved schedule. The following parameters shall be analyzed by the listed methods and report quarterly:

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
Quarterly	EPA Method 501.2, 602, or 624	Tetrachloroethene (aka Perchloroethene - PCE)	.05
	EPA Method 501.2, 602, or 624	Trichloroethene (TCE)	.062
	EPA Method 239.2 or equivalent	Lead	5.0
Quarterly	EPA Method 213.2 or equivalent	Cadmium	5.0
	EPA Method 218.1 or equivalent	Chromium	5.0
	EPA Method 418.1 or equivalent	Total Petroleum Hydrocarbons	No Limit

*All chemical parameters listed in this permit are expressed in mg/l unless otherwise shown. pH is always expressed in standard units.

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 addition to the two solvents shown above, K N Field Services, Inc. shall also sample and analyze for the entire list of parameters normally reported on the Method 624 analyses by the laboratory doing the samples. The entire analytical report shall be submitted to WQD along with the next quarterly report.

4. K N Field Services, Inc. shall monitor continuously the pressure on the casing/tubing annulus and shall maintain a positive pressure on that annulus. This requires that K N Field Services, Inc. install a continuous chart recorder, or a digital interface electronic recorder. The pressure maintained shall be not less than 200 psig nor more than 800 psig.
5. K N Field Services, Inc. shall monitor continuously the volume injected. This may be accomplished using a totalizer volume meter and recording manually the readings on a daily basis for each day when the well is in active use. This may also be accomplished by installation of a continuous-chart recorder or digital electronic recorder on the injected volume.

J. Test Procedures

1. 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.
2. All required analyses shall be conducted in compliance with Chapter VIII Section 7, Wyoming Water Quality Rules and Regulations.

K. Records and Reports

1. K N Field Services, Inc. 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.
2. K N Field Services, Inc. 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.
3. 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.
4. 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 K N Field Services, Inc. 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.
5. 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.
6. K N Field Services, Inc. shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion or abandonment of the well covered by this permit.
7. The quarterly report of operations for this well shall include the following information:
 - a. The minimum, average and maximum daily injection rate for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.
 - b. The minimum, average, and maximum daily injection pressure for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
 - c. The total injection volume in gallons for each month of the quarter, the total for the quarter, the total cumulative injected to date.
 - d. The maximum and minimum annulus pressure for each month of the quarter.
 - e. Any permit 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.
8. The annual report of operations on this well 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

- 1. This permit is issued for a period of ten (10) years. If K N Field Services, Inc. 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.
- 2. 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.
- 3. The filing of a request by K N Field Services, Inc., 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.
- 4. 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:
 - a. Violation of this permit;
 - b. Obtaining a permit by misrepresentation of facts in the application; or
 - c. Failure of the casing, cement or the confining layer.
- 5. 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

1. 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. This test shall consist of a pressure test of the annulus to a pressure of 1,300 psig. A successful test shall be one which holds 1,300 psig for 15 minutes with no more than 25 psig of pressure loss.

Part II of the Mechanical Integrity test shall demonstrate the absence of fluid movement behind the casing. The approved method of demonstrating the absence of fluid movement behind the casing is to run a Radioactive Tracer Survey (RATS) and a Temperature Log. The RATS test shall include a check of the fluid movement around the packer, above the top perforation and below the bottom perforation. The temperature survey shall be a shut-in survey after 24 hours.

2. In the event that this well fails to 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

1. K N Field Services, Inc. shall notify the administrator at such times as the permit requires before conversion or abandonment of the well. The abandonment plan found in Attachment J of the permit application shall be followed.
2. Within thirty (30) days after plugging and abandonment of the well covered by this permit, K N Field Services, Inc. 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

1. K N Field Services, Inc. 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.
2. K N Field Services, Inc. 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.
3. 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.
4. K N Field Services, Inc. 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.
5. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

P. Financial Responsibility

1. K N Field Services, Inc. has posted the required financial instruments to guarantee the plugging and abandonment of the non hazardous waste injection well covered by this permit. The specific financial instrument provided is: Seaboard Surety Company, Bond Number 311457
2. K N Field Services, Inc. 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

1. 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).
2. K N Field Services, Inc. shall identify the facility 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. The wellhead itself shall be identified with a sign and the injection plant shall also have a sign on the door with the same information.
3. Inside the injection plant K N Field Services, Inc. shall affix a sign which states the maximum injection pressures and volumes 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.

All signs required shall be constructed of standard sign gauge material in either steel, aluminum or fiberglass with letters a minimum of 1 inch high.

5. In the event that any cultural resources (evidence of historic or prehistoric occupation of the site) are uncovered during construction of the injection well or injection plant, the Water Quality Division and the State Historic Preservation Office shall be notified immediately. In this event, work shall immediately cease and not be resumed until the cultural resources discovered have been evaluated and adequate measures for their protection or collection have been taken. The telephone number and contact for SHPO is Judy Wolf 777-6311.

R. Signatories Requirement

1. 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

1. K N Field Services, Inc. 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 K N Field Services, Inc. becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit non-compliance constitutes a violation of this permit.
2. The filing of any request by K N Field Services, Inc. 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

1. 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 non compliance issues into compliance with this permit.
2. K N Field Services, Inc. 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

1. 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

1. Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve K N Field Services, Inc. from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.
2. 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/ks 72242.ltr

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. 311457

We the undersigned, KN Field Services, Inc.
(State name and form of business organization of the Applicant)

duly authorized to do business in the State of Wyoming, AS PRINCIPAL, and Seaboard Surety Company 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 Forty Thousand and no/100 Dollars (\$ 40,000.00), 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 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 LIC 97-210 dated 8/26/97, 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 _____ | Dated _____ | Principal _____ | Surety _____ |
| (2) | Bond Number _____ | Dated _____ | Principal _____ | Surety _____ |
| (3) | Bond Number _____ | Dated _____ | Principal _____ | Surety _____ |

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
A 400 ft x 400 ft area surrounding the Federal Hanagan Well
1-15-WDW located 1785' FSL & 861' FWL Sec. 15, T-36N, R-91W
Fremont County, Wyoming

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.

PRINCIPAL

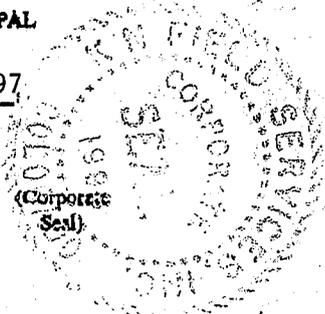
Signed and executed this 22nd day of May, 1997

BY: E. Wayne Lundhagen

TITLE: Vp's Treasurer

State of Colorado)

County of JEFFERSON) SS.



The foregoing instrument was acknowledged before me by E. Wayne Lundhagen this 22nd day of May, 1997.

Witness my hand and official seal.

Christy Loo
(Notary Public or other authorized officer)
My Commission Expires: December 31, 1998

SURETY

Signed and executed this 22nd day of May, 1997

BY: Connie S. Kerr

TITLE: Connie S. Kerr, Attorney-in-fact (Corporate Seal)

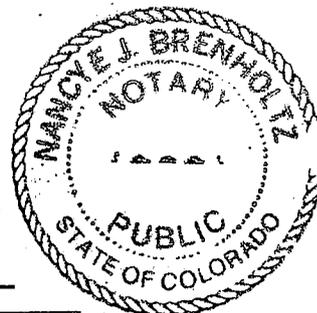
State of Colorado)

County of Denver) SS.

The foregoing instrument was acknowledged before me by Connie S. Kerr this 22nd day of May, 1997.

Witness my hand and official seal.

[Signature]
(Notary Public or other authorized officer)
My Commission Expires: 4/11/99



RESIDENT AGENT FOR SERVICE

Resident Agent: Wendy S. Schulte (Signature) Date: 7/10/97

Wendy S. Schulte (Printed Name) Address: Barnard Insurance P. O. Drawer 1030- Casper, WY 82602

Approved as to form and execution:

William Hill
Attorney General

BY: Milee Banning (Signature) Date: 8/6/97
Assistant

APPROVED: Jay Bear (Signature) Date: 8/21/97
Administrator, Water Quality Division

Certified Copy

No. 11298

SEABOARD SURETY COMPANY

ADMINISTRATIVE OFFICES, BEDMINSTER, NEW JERSEY

YYY 8646

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That SEABOARD SURETY COMPANY, a corporation of the State of New York, has made, constituted and appointed and by these presents does make, constitute and appoint Harriet J. Hunt or Yvonne Douglas or Paul Giunto or Donald R. Sicard or Connie S. Kerr of Denver, Colorado

its true and lawful Attorney-in-Fact, to make, execute and deliver on its behalf insurance policies, surety bonds, undertakings and other instruments of similar nature as follows: Without limitations

Such insurance policies, surety bonds, undertakings and instruments for said purposes, when duly executed by the aforesaid Attorney-in-Fact, shall be binding upon the said Company as fully and to the same extent as if signed by the duly authorized officers of the Company and sealed with its corporate seal; and all the acts of said Attorney-in-Fact, pursuant to the authority hereby given, are hereby ratified and confirmed.

This appointment is made pursuant to the following By-Laws which were duly adopted by the Board of Directors of the said Company on December 8th, 1927, with Amendments to and including January 15, 1982 and are still in full force and effect:

ARTICLE VII, SECTION 1:
"Policies, bonds, recognizances, stipulations, consents of surety, underwriting undertakings and instruments relating thereto. Insurance policies, bonds, recognizances, stipulations, consents of surety and underwriting undertakings of the Company, and releases, agreements and other writings relating in any way thereto or to any claim or loss thereunder, shall be signed in the name and on behalf of the Company (a) by the Chairman of the Board, the President, a Vice-President or a Resident Vice-President and by the Secretary, an Assistant Secretary, a Resident Secretary or a Resident Assistant Secretary; or (b) by an Attorney-in-Fact for the Company appointed and authorized by the Chairman of the Board, the President or a Vice-President to make such signature; or (c) by such other officers or representatives as the Board may from time to time determine. The seal of the Company shall, if appropriate be affixed thereto by any such officer, Attorney-in-Fact or representative."

IN WITNESS WHEREOF, SEABOARD SURETY COMPANY has caused these presents to be signed by one of its Vice-Presidents, and its corporate seal to be hereunto affixed and duly attested by one of its Assistant Secretaries, this 24th day of April, 1992



Attest:

(Seal) Adelle Fuller
Assistant Secretary

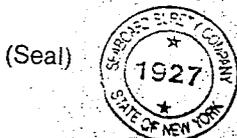
SEABOARD SURETY COMPANY,

By Michael B. Keegan
Vice-President

STATE OF NEW JERSEY ss.:

COUNTY OF SOMERSET
On this 24th day of April, 1992

Michael B. Keegan, a Vice-President of SEABOARD SURETY COMPANY, with whom I am personally acquainted, who, being by me duly sworn, said that he resides in the State of New Jersey; that he is a Vice-President of SEABOARD SURETY COMPANY, the corporation described in and which executed the foregoing instrument; that he knows the corporate seal of the said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto as Vice-President of said Company by like authority.



LINDA SMITHERS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 16, 1996

Linda Smithers
Notary Public

CERTIFICATE

I, the undersigned Assistant Secretary of SEABOARD SURETY COMPANY do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this Certificate and I do further certify that the Vice-President who executed the said Power of Attorney was one of the Officers authorized by the Board of Directors to appoint an attorney-in-fact as provided in Article VII, Section 1, of the By-Laws of SEABOARD SURETY COMPANY.

This Certificate may be signed and sealed by facsimile under and by authority of the following resolution of the Executive Committee of the Board of Directors of SEABOARD SURETY COMPANY at a meeting duly called and held on the 25th day of March 1970.

"RESOLVED: (2) That the use of a printed facsimile of the corporate seal of the Company and of the signature of an Assistant Secretary on any certification of the correctness of a copy of an instrument executed by the President or a Vice-President pursuant to Article VII, Section 1, of the By-Laws appointing and authorizing an attorney-in-fact to sign in the name and on behalf of the Company surety bonds, underwriting undertakings or other instruments described in said Article VII, Section 1, with like effect as if such seal and such signature had been manually affixed and made, hereby is authorized and approved."

IN WITNESS WHEREOF I have hereunto set my hand and affixed the corporate seal of the Company to these presents this 22nd day of May, 1992



Siana M. Klement
Assistant Secretary

Form 957 (Rev. 7/84)

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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July 29, 1997

Western Winds, LLC
c/o Jayo Construction, Inc.
Attn. Terry Rader, Project Manager
1309 S. Five Mile Road
Boise, Idaho 83709

RE: Permit Reporting Requirements for Permit Number - 97-212

Dear Mr. Rader:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE/mad 72433.LTR

Enclosure: Permit Referenced Above

cc: Peter J. Hutchison, Intermountain Professional Services, 5801 Osage Ave., Cheyenne, Wyoming 82009

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 97-212
SPECIAL CONDITIONS

Aspen Wind Assisted Living Center - Water and Sewer Utilities

This permit hereby authorizes the applicant:

Western Winds, LLC
c/o Jayo Construction, Inc.
1309 S. Five Mile Road
Boise, Idaho 83709

to construct, install, or modify water and sewer utilities according to the procedures and conditions of the application number 97-212. The facility is located in the NW 1/4 of Section 27, 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 Engineering 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.

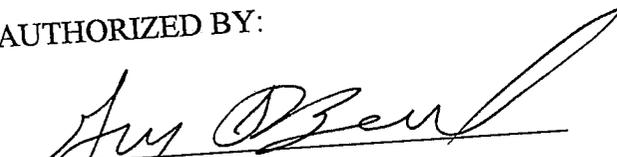
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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.

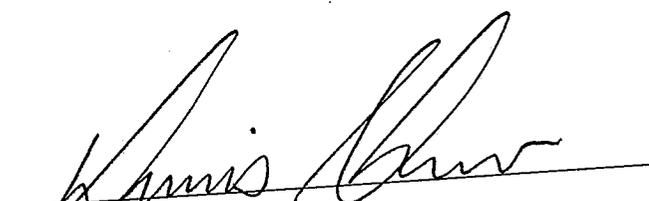
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4. The applicant will notify the DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

8-4-97

Date of Issuance

RLE/mad 72434.LTR

STATEMENT OF BASIS

General information.

A. Permit Number: 97-212

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

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 III¹. (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.

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 29, 1997. 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."

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

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 23, 1997

Williams Natural Gas Company
Attn. Mark Holder, Project Engineer
P.O. Box 3288
Tulsa, Oklahoma 74101

RE: Permit Reporting Requirements for Permit Number - 97-213

Dear Mr. Holder:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE/mad 72389.LTR

Enclosure: Permit Referenced Above
cc: Tee J. Burr, Coffey & Associates, LLC, 903 Grand Avenue, Laramie, Wyoming 82070

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-213
SPECIAL CONDITIONS

Williams Natural Gas Company - Arlington Compressor Station Septic System

This permit hereby authorizes the applicant:

Williams Natural Gas Company
Attn. Mark Holder, Project Engineer
P.O. Box 3288
Tulsa, Oklahoma 74101

to construct and install a septic system with "Infiltrator" leach field according to the procedures and conditions of the application number 97-213. The facility is located in the NE 1/4 of Section 19, T19N, R78W 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 Engineering 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.

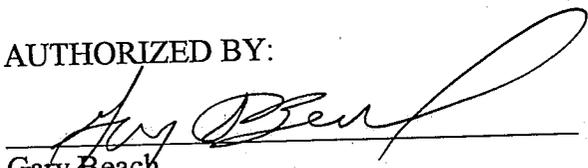
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

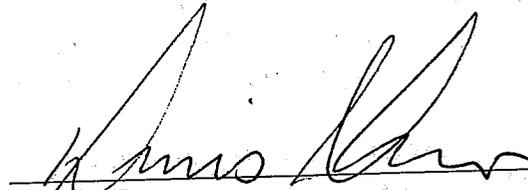
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 4. The applicant will notify the DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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:


Gaty Beach
Administrator
Water Quality Division


Dennis Hemmer
Director
Department of Environmental Quality

7-25-97
Date of Issuance

RLE/mad 72390.LTR
cc Carbon County Planner/Sanitarian

STATEMENT OF BASIS

General information.

A. Permit Number: 97-213

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 III¹. (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.

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 23, 1997. 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."

¹Sediment 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. 97-214
SPECIAL CONDITIONS
REF/PERMIT #97-204

Town of Bar Nunn Sewer Main Extension

This permit hereby authorizes the applicant:

Town of Bar Nunn
ATTN: Mayor Jerry Petty
4820 N. Wardwell Industrial Avenue
Casper, WY 82601

to construct, install or modify a sewage collection system according to the procedures and conditions of the application number 97-214. The facility is located in the S/2 of Section 17, Township 34 North, Range 79 West in the county of Natrona, 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.

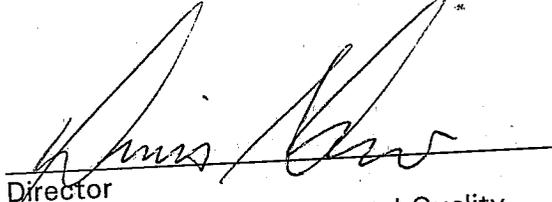
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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

6/20/97
Date of Issuance

BDM/mad 72043LTR
cc: Tom Brauer, P.E., CEPI, 355 N. Lincoln, Casper, WY 82601

STATEMENT OF BASIS

General information.

A. Permit Number: 97-214

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 III¹. (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 Brian D. Mark, Senior Environmental Analyst, and completed on June 18, 1997. 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

¹Sediment 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. 97-215
SPECIAL CONDITIONS

Wyoming Premium Farms / Nursery Site Residence - Residential Septic System

This permit hereby authorizes the applicant:

Wyoming Premium Farms
P.O. Box 457
Wheatland, Wyoming 82201

to construct a residential septic system with "Infiltrator" leach field trench according to the procedures and conditions of the application number 97-215. The facility is located in the NE 1/4 of Section 11, T23N, 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 Engineering 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.

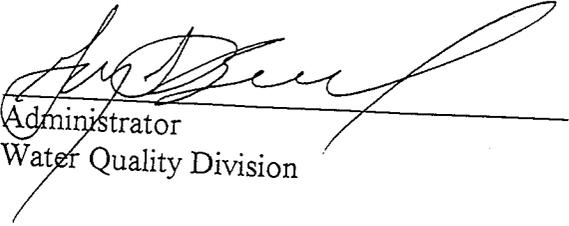
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5. The applicant will notify the DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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. Septic Tank Installation - On Windmeier septic tanks, either a 6 inch clean-out or the manway shall be extended to the ground surface.

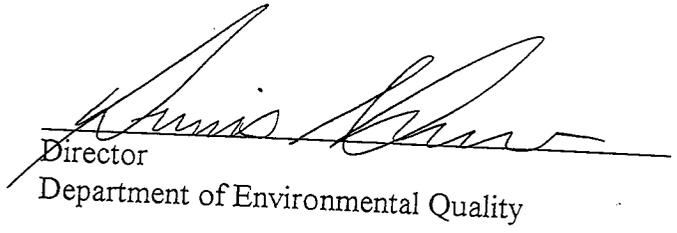
Permit Number 97-215

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

6-30-97

Date of Issuance

E/mad 72104.LTR

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-215
- 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

Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.
(Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

I. Deleted

II. Documentation of Statement of Basis.

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 June 27, 1997. 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."

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



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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June 27, 1997

Wyoming Premium Farms
Attn. Doug DeRouchey, General Manager
P.O. Box 457
Wheatland, Wyoming 82201

RE: Permit Reporting Requirements for Permit Number - 97-215

Dear Mr. DeRouchey:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. Standard reporting requirements include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE/mad 72103.LTR

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-216
SPECIAL CONDITIONS

Birt Residential Septic System

This permit hereby authorizes the applicant:

Roy & Mary Jo Birt
P.O. Box 191
Wheatland, Wyoming 82201

to construct a residential septic system with "Infiltrator" leach field trench according to the procedures and conditions of the application number 97-216. The facility is located in the SE 1/4 of Section 15, T24N, R68W 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 Engineering 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.

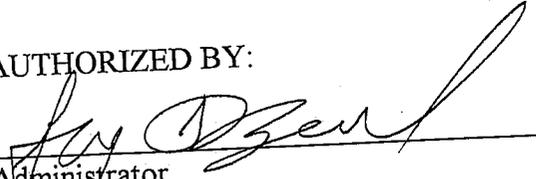
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

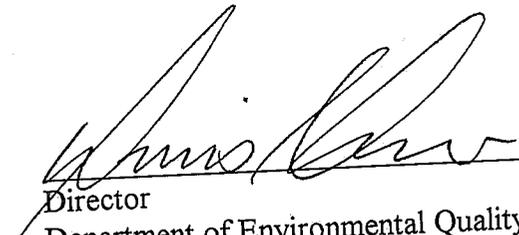
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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. Septic Tank Installation - On Windmeier septic tanks, either a 6 inch clean-out or the manway shall be extended to the ground surface.
- 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

6-30-97
 Date of Issuance

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-216
- 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 III¹. (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.

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 June 27, 1997. 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."

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



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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June 27, 1997

Roy and Mary Jo Birt
P.O. Box 191
Wheatland, Wyoming 82201

RE: Permit Reporting Requirements for Permit Number - 97-216

Dear Mr. and Mrs. Birt:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE/mad 72098.LTR

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-217
SPECIAL CONDITIONS
REF/PERMIT #

Central Wyoming Regional Water System Treatment Plant and Wellfields-Bid Package 5

This permit hereby authorizes the applicant:

Central Wyoming Regional Water System
ATTN: Dean Dickey
201 North David, Fifth Floor
Casper, WY 82601

to construct, install or modify a water treatment plant and wellfield according to the procedures and conditions of the application number 97-217. The facility is located in NE/4 of the NW/4, Section 18, Township 33 North, Range 79 West in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (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.

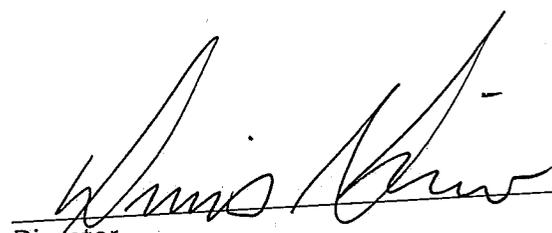
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 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

8-11-97
Date of Issuance

BDM/pr:mad 72547.LTR

cc: Karen Speer, P.E., CH2M HILL, P.O. Box 241325, Denver, CO 80224-9325
Brock McEwen, CH2M Hill
Mike Jennings, Natrona County Health, 1200 E. 3rd, Casper WY 82601
Tom Curren, Natrona County Planning, 120 W. 1st, #200, Casper, WY 82601

STATEMENT OF BASIS

- I. General information.
 - A. Permit Number: 97-217
- 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.
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.
 - 1) Chapter XII Section 8.(d)(iii) requires an alternate power source where the storage volume floating on the distribution system is not capable of supplying the maximum daily demand.
 - 2) Chapter XII Section 10.(c) specifies rapid mixing requirements including mixing intensity.
 - 3) Chapter XII Sections 10.(e-h) specifies requirements for sedimentation and flocculation processes.
 - 4) Chapter XII Sections 10.(i)(ii)(B)(I) limits the maximum high rate filter loading to 5.0 gpm/sq.ft.
 - 5) Chapter XII Section 10.(k)(ii)(A) requires surface water plants provide disinfection capabilities to raw water.
 - 6) Chapter XII Section 10.(k)(vi)(B) requires ozone gas be applied at a minimum submergence of 10 feet.

7) Chapter XII Section 10.(u)(v)(B) requires backwash lagoons be sized to provide 250,000 gallons capacity for each 1,000,000 gallons per day flow.

B. Briefly state the basis for the deviation.

1) The applicant provided information concerning power outages at the Casper Water Treatment Plant since 1986. Of the nine (9) outages, the longest lasted two (2) hours. The finished water storage system is capable to supply water during this outage. Cost estimates range from \$4.5 to \$5.0 million to provide an alternate power source. Based on historical power outage events and the prohibitively costly expense, this office recommends a deviation be granted to forego requiring an alternative power source.

2) Rapid mixing is achieved using an in-line mechanical blender. Although the calculated velocity gradient does not meet minimum requirements (1000/sec as compared to the required 27,000/sec), these mixers have been successfully used in other water treatment plants. The American Water Works Association Water Quality and Treatment Handbook, 4th edition states when sweep coagulation is used, a velocity gradient from 300/sec to 16,000/sec works well. The Central Wyoming Regional Water System water treatment plant utilizes sweep coagulation. A deviation is recommended.

3) The applicant has provided pilot test data and information concerning existing, comparable installations where a sand ballasted flocculation process (ACTIFLO®) has been used adequately. Per Wyoming Water Quality Rules and Regulations Chapter XII Section 5, a deviation is recommended.

4) This office recommends a deviation to this requirement to allow a filter loading rate of 6.5 gpm/sq.ft. This recommendation is based on information supplied by the applicant which meets the criteria established in Wyoming Water Quality Rules and Regulations Chapter XII Section 5, namely pilot tests documenting performance at this rate.

5) Ozone provides primary disinfection. Concerns exist regarding disinfection/disinfection byproducts (D/DBP) formation. It is believed that precursors found in raw water lead to D/DBP byproducts when exposed to disinfectants. This office recommends a deviation be granted to forego provisions for raw water disinfection to help eliminate the potential for D/DBP formation.

6) During the past ten (10) years, ozone research and application led to the practice of direct ozone injection into the water stream similar to chlorination equipment. This method realizes cost savings in construction and maintenance. Ozone gas injection is currently being utilized throughout the United States. This office recommends a deviation be granted per the requirements of Chapter XII Section 5.

7) Backwash water volume requirements are greater for smaller facilities. The Central Wyoming Regional Water System water treatment plant is one of Wyoming's largest. Numerous technical references concur that backwash water volumes range from 1%-5% of the plant flow, compared to 25% required by Wyoming Water Quality Rules and Regulations. As proposed, the backwash water lagoon volume is 5.4% of the plant flow. This exceeds currently and commonly accepted design principles for plants of this size. A deviation is recommended.

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 (N/A)

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹. (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 Brian D. Mark, Senior Environmental Analyst, and completed on August 8, 1997. 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

¹Sediment 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. 97-218
SPECIAL CONDITIONS
REF/PERMIT NO.

Town of Lingle Water Improvements

This permit hereby authorizes the applicant:

Town of Lingle
220 Main Street
Lingle, WY, 82223

to construct, install or modify a water distribution improvement project according to the procedures and conditions of the application number 97-218. The facility is located in SW 1/4 Sec. 17, SE 1/4 Sec. 18 T25N R63W in the county of Goshen, 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: Southeast District, 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.

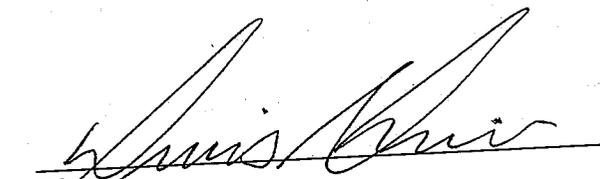
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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 When construction is complete, flow testing of the parts of the system modified must be conducted. The flow testing should be conducted with all the nozzles of one hydrant at a time flowing unrestricted. The fire hydrants added to the system must be modified as necessary to maintain the minimum fire flow pressure of 20 psi as required by Chapter XII. The flow test results pre- and post- modification certified by the engineer must be submitted to DEQ within 60 days of substantial project completion. This condition is in lieu of a complete pressure analysis as required by Chapter XII Section 14(b)(I) before approval of the permit.
- 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

6-30-97
 Date of Issuance

LBH/bb/72082.ltr

STATEMENT OF BASIS

General information.

A. Permit Number: 97-218

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.

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)(I) states: All water mains shall be sized after a hydraulic analysis...to maintain a minimum fire flow pressure of 20 psi.

B. Briefly state the basis for the deviation.

The water mains are being installed in accordance with a master plan done in 1987. The pressure analysis of the master plan is inadequate. Condition 4 requires testing and adjustment of the as-built system to maintain minimum fire flow pressures.

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.¹ (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NO

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:

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

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

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:

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:

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.

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.

VII. Documentation of Statement of Basis.

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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on June 26, 1997. 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."

¹Sediment 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. 97-219
SPECIAL CONDITIONS

Filener, Woodward, Musser Treated Water Main Extension

This permit hereby authorizes the applicant:

David Filener
3602 Big Horn Ave.
Cody, WY 82414

to construct an eight inch water main with fire hydrants according to the procedures and conditions of application number 97-219. The facility is located in NW 1/4 NE 1/4 Sec. 34, T 53N, R 101W 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 (WQD), 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: Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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 Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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

7-15-97
Date of Issuance

JH/bal
b/72269.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: #97-219

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit.

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. Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

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.)

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

VII. Documentation of Statement of Basis.

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 8, 1997. 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."

JCH/bb/72269.ltr

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-221
SPECIAL CONDITIONS

SPEAR RANCH BOOSTER PUMP & BACKFLOW PREVENTION EQUIPMENT

This permit hereby authorizes the applicant:

Spear Ranch
P.O. Box 607
Sheridan, WY 82801
Attention: Vito J. Spitaleri

to construct, install or modify a booster pump and backflow prevention equipment according to the procedures and conditions of the application number 97-221. The facility is located in the NE/4 of Section 17 of Township 54 North Range 84 West in the county of Sheridan, 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 (DEQ/WQD) 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/WQD the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the Northeast District Office: DEQ/WQD, 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.

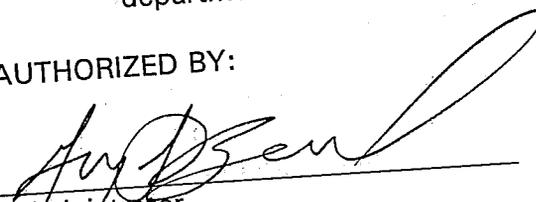
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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.

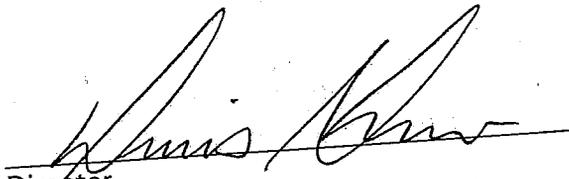
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the Northeast DEQ/WQD District Office 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 Northeast DEQ/WQD 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 Northeast DEQ/WQD 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 In the event there is a change in property ownership, a new permit shall be obtained from the department reflecting the new applicant(s).

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

7-2-97

Date of Issuance

DRM/pr

b/72146.ltr

xc: Dave Konkel, 1 East Alger St., Ste 219, Sheridan, 82801
Dave Engels, SAWSJPB, 224 S. Main, Sheridan, 82801
Steve Peterson, City of Sheridan, POB 848, Sheridan, 82801
Pete Husman, City of Sheridan, POB 848, Sheridan, 82801

Enclosures: Notification Post Card, Certificate of Completion, Statement of Basis

STATEMENT OF BASIS

General information.

A. Permit Number: 97-221

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.

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.

Subpart (iv) of Part (o) of Section 12 of the Wyoming Water Quality Rules and Regulations (WWQRR) does not allow the use of individual home booster pumps for a single service from the public water supply.

B. Briefly state the basis for the deviation.

The possibility of this deviation request was anticipated by SAWSJPB project manager, Mr. Dave Engels, in 1994. As a result, the SAWSJPB and the DEQ/WQD discussed the issue and developed a mutually acceptable set of conditions that the department would be satisfied with in order to consider granting a deviation on a case-by-case basis. There were four conditions called out in the reviewer's January 13th, 1995 letter to Mr. Engels. The first condition required a professional engineer to submit an application to the department on behalf of the applicant. The second condition required a notification method to inform property owners of the permit and permit conditions. The

third condition required adequate pressure be maintained at the service connection and in the water main pursuant to Section 14 of Chapter XII of the WWQRR. The fourth condition required an agreement between the property owner and the SAWSJPB addressing the operation and maintenance of backflow prevention equipment at the pump booster. The applicant has met the SAWSJPB DEQ/WQD conditions and the reviewer recommends a deviation be authorized for this project.

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 (N/A)

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹ of the WWQRR. (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 DEQ/WQD-SPO Program Principal, and completed on June 25, 1997. 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/bb/72146.ltr

¹Sediment 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. 97-220R
SPECIAL CONDITIONS

Robin Road Development, Alta Vista Subdivision

This permit hereby authorizes the applicant:

Don Richards
975 Shoshone Avenue
Lovell, Wyoming 82431

to construct 6-inch PVC water and sewer mains according to the procedures and conditions of application number 97-220R. The facility is located in Sec. 14, 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 (WQD), 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: Jeff Hermansky, Northwest District Engineer, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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.

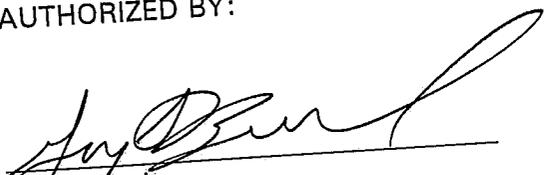
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

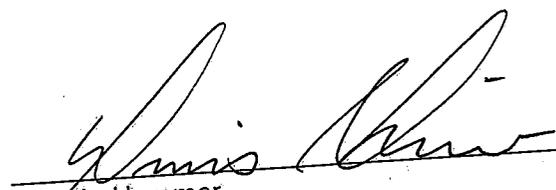
This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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 Jeff Hermansky, Northwest District Engineer, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 Jeff Hermansky, Northwest District Engineer, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 Jeff Hermansky, Northwest District Engineer, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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:


Gary Beach
Administrator
Water Quality Division


Dennis Hemmer
Director
Department of Environmental Quality

8-11-97
Date of Issuance

JCH/jm
b/72535.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: 97-220R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. Yes

III. Basis for issuing permit.

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.

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

N/A

VII. Documentation of Statement of Basis.

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

¹Sediment 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 Engineer, and completed on August 7, 1997. 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."

JCH/bb/72535.ltr

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-221
SPECIAL CONDITIONS

SPEAR RANCH BOOSTER PUMP & BACKFLOW PREVENTION EQUIPMENT

This permit hereby authorizes the applicant:

Spear Ranch
P.O. Box 607
Sheridan, WY 82801
Attention: Vito J. Spitaleri

to construct, install or modify a booster pump and backflow prevention equipment according to the procedures and conditions of the application number 97-221. The facility is located in the NE/4 of Section 17 of Township 54 North Range 84 West in the county of Sheridan, 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 (DEQ/WQD) 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/WQD the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the Northeast District Office: DEQ/WQD, 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.

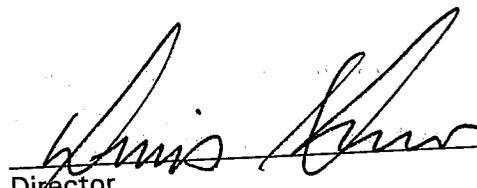
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the Northeast DEQ/WQD District Office 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 Northeast DEQ/WQD 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 Northeast DEQ/WQD 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 In the event there is a change in property ownership, a new permit shall be obtained from the department reflecting the new applicant(s).

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

7-24-97

Date of Issuance

DRM/pr/ks 72349.ltr

xc: Dave Konkel, 1 East Alger St., Ste 219, Sheridan, 82801
Dave Engels, SAWSJPB, 224 S. Main, Sheridan, 82801
Steve Peterson, City of Sheridan, POB 848, Sheridan, 82801
Pete Husman, City of Sheridan, POB 848, Sheridan, 82801

Enclosures: Notification Post Card, Certificate of Completion, Statement of Basis

STATEMENT OF BASIS

- I. General information.
 - A. Permit Number: 97-221
- 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.
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.

Subpart (iv) of Part (o) of Section 12 of the Wyoming Water Quality Rules and Regulations (WWQRR) does not allow the use of individual home booster pumps for a single service from the public water supply.
 - B. Briefly state the basis for the deviation.

The possibility of this deviation request was anticipated by SAWSJPB project manager, Mr. Dave Engels, in 1994. As a result, the SAWSJPB and the DEQ/WQD discussed the issue and developed a mutually acceptable set of conditions that the department would be satisfied with in order to consider granting a deviation on a case-by-case basis. There were four conditions called out in the reviewer's January 13th, 1995 letter to Mr. Engels. The first condition required a professional engineer to submit an application to the department on behalf of the applicant. The second condition required a notification method to inform property owners of the permit and permit conditions. The

third condition required adequate pressure be maintained at the service connection and in the water main pursuant to Section 14 of Chapter XII of the WWQRR. The fourth condition required an agreement between the property owner and the SAWSJPB addressing the operation and maintenance of backflow prevention equipment at the pump booster. The applicant has met the SAWSJPB-DEQ/WQD conditions and the reviewer recommends a deviation be authorized for this project.

- 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 (N/A)

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹ of the WWQRR. (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 DEQ/WQD-SPO Program Principal, and completed on June 25, 1997. 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

¹sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.



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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July 24, 1997

Kenneth Thyne
Box 961
Saratoga, Wyoming 82331

RE: Permit Reporting Requirements for Permit Number - 97-222

Dear Mr. Thyne:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE:ks 72398.ltr

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-222
SPECIAL CONDITIONS

Ten Mile Cabin #1 - Residential Septic System

This permit hereby authorizes the applicant:

Kenneth Thyne
Box 961
Saratoga, Wyoming 82331

to construct and install a residential septic system with leach field according to the procedures and conditions of the application number 97-222. The facility is located in the NE 1/4 of Section 18, T16N, 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 Engineering 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.

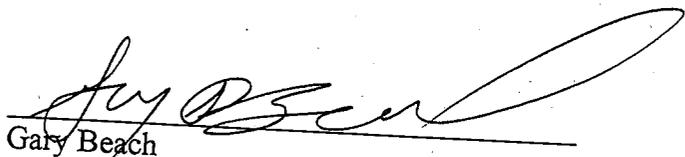
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5. The applicant will notify the DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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.

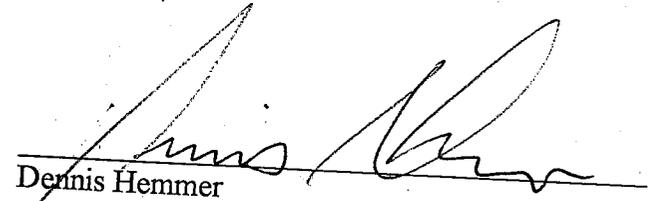
PERMIT NO. 97-222

- 4 of 5. Septic Tank Riser Requirement - The manway on Vaughn Concrete Products septic tanks must be extended to the ground surface when clean-out risers are not provided.
- 5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-25-97
Date of Issuance

RLE:ks
72400.ltr

cc: Carbon County Planner/Sanitarian

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-222
- 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 III¹. (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.

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 24, 1997. 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."

¹Sediment 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. 97-224
SPECIAL CONDITIONS
REF/PERMIT #96-117

Sierra Vista Estates Water Extension Project 1996

This permit hereby authorizes the applicant:

Clifford Moya
P.O. Box 1057
Sundance, WY 82729

to construct, install or modify a transmission and distribution system according to the procedures and conditions of the application number 97-224. The facility is located in Sections 7 and 8, Township 51 North, Range 62 West in the county of Crook, 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.

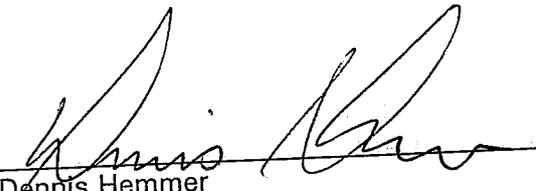
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 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:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-25-97

Date of Issuance

BDM/pr/ks
72395.ltr

cc: Kenneth Rathbun, P.E., Bearlodge LTD., Inc., P.O. Box 130, Sundance, WY 82729

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-224
- 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.
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.
Yes
- 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) allows a maximum run of six (6) inch waterline from one direction to be 250 feet when it serves a fire hydrant.
- B. Briefly state the basis for the deviation.
The basis of this requirement is to ensure adequate hydraulic pressure. Hydraulic analyses for this project indicate adequate pressures exist to meet minimum pressure requirements.
- 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(N/A)

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹. (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.

N/A

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, Senior Environmental Analyst, and completed on July 22, 1997. 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

¹Sediment 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. 97-223
SPECIAL CONDITIONS

Jim Bridger Power Plant (PacifiCorp)

This permit hereby authorizes the applicant:

PacifiCorp, Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, Wyoming 82942

to construct, install or modify a free product recovery system according to the procedures and conditions of the application number 97-223. The facility is located in T20N, R101W, Sec. 3 in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 5 (five) 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: Keith Estenson, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-3183.

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 17. 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.
- 2 of 17. Disposal of development water and the pumped groundwater into 01 Effluent Holding Pond will require NPDES approval for discharge into the stormwater system.
- 3 of 17. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 4 of 17. The hydrocarbon recovery system shall be operated continuously except for routine maintenance. If the system is shut down for greater than four days, other than for routine maintenance, notify WDEQ in writing within two weeks of shut down. The written notification should document the reasons for the shut down and the actions taken to correct the situation.
- 5 of 17. An O&M Plan shall be developed during the construction of the system and shall be submitted to WQD within 90 days following full scale system start-up. Other items to be included in the O&M Manual are contained in the document titled "General Contents of Operation and Maintenance (O&M) Manual-Corrective Action Systems". The O&M Manual shall also contain the following information:
 - a. Final 'As-built' construction drawings of any sections of the system that were modified from the original permit application. Please provide engineering drawings that are scaled to show sufficient details.
 - b. A detailed description of the handling and disposal of recovered groundwater and petroleum hydrocarbons.
- 6 of 17. A report summarizing the operation of the Hydrocarbon Recovery System shall be submitted within 90 days following the start-up. The report shall include an evaluation of the system's performance in meeting its original objectives. At a minimum the report shall contain the following:
 - a. A description of the Recovery System operation and an analysis of the empirical data from the operation which includes:
 - (1) Performance results (radius of influence (ROI) as measured by water table and free product measurements, product recovery rates, and total volumes of product recovered in each recovery well);
 - (2) Empirical data shall be presented in tabular form and in graphical form (i.e., total volume of hydrocarbons recovered vs. time of operation), and;
 - b. Plan view maps of the site illustrating:
 - (1) the radius of influence of the groundwater recovery wells;
 - (2) free product thickness contour maps from the monitoring events;
 - (3) the potentiometric surface (water table elevations) during the sampling events; and,
 - (4) locations of the monitoring wells, piezometers, and recovery wells.

of 17.

No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division. After the monitoring well(s)/piezometer(s) have fulfilled their 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.

8 of 17.

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.

9 of 17.

Environmental Monitoring Program for Groundwater of the State:

a. Monitor wells shall be sampled and the groundwater analyzed according to the approved corrective action plan. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.

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:

- (1) The date, exact place, and time of sampling or measurements;
- (2) The name(s) of individual(s) who performed the sampling or measurements;
- (3) The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
- (4) Sampling procedures and sample preservation accomplished;
- (5) The date(s) analyses were performed;
- (6) Names of individuals who performed the analyses;
- (7) The analytical techniques or methods used; and
- (8) The results of such analyses.

10 of 17.

Field Documentation of Design, Construction and Installation of Monitoring Wells:

The following information shall be documented during actual construction and installation of monitoring wells. The information shall be included as an appendix of the O&M Manual.

- (1) Date/time of construction.
- (2) Person developing information/other person(s) on site and their association to the project.
- (3) Drilling method and if drilling fluid was used.
- (4) Well location (± 0.5 ft.).
- (5) Well depth (± 0.1 ft.).
- (6) Bore hole diameter and well casing diameter.
- (7) Drilling and lithologic logs (including visual, olfactory and vapor detection observations). (See attached 'Borehole Installation Diagram').
- (8) Casing material.
- (9) Screen materials and design/location.

- (10) Casing and screen joint type.
- (11) Screen slot size/length.
- (12) Filter pack material/size, grain analysis.
- (13) Filter pack volume calculated/actually installed.
- (14) Filter pack placement method/location.
- (15) Sealant (annular space) materials.
- (16) Sealant volume used.
- (17) Sealant placement method/location.
- (18) Surface seal design/construction.
- (19) Well development procedure used.
- (20) Type of protective well cap (top and bottom).
- (21) Surveyed elevation (\pm 0.01 ft. Mean Sea Level) of:
 - (i) ground surface
 - (ii) surveyor's well reference point
 - (iii) top of well casing
 - (iv) top of protective structure
- (23) Location of well number stamp or identification marking.
- (24) Detailed 'as-built' construction drawing of well, including dimensions to all well features.
NOTE: The detailed drawing(s) to be submitted must indicate all well features with relation to stratigraphic sections.
- (25) Method of down hole equipment decontamination between wells.

- 11 of 17. All downhole equipment shall be de-contaminated between wells (borings) to minimize the potential for cross-contamination.
- 12 of 17. Prior to sampling, monitoring well(s)/piezometer(s) shall be purged until a minimum of three (3) casing volumes have been removed, or until purged dry, whichever occurs first.
- 13 of 17. The monitoring well/piezometer shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected.
- 14 of 17. Any tampering with the monitor well(s)/piezometer(s) 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.
- 15 of 17. 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.
- 16 of 17. 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.
- 17 of 17. In accordance with Section 13(a)(iv) of Chapter III of WDEQ/WQD rules and regulations, the following items relating to monitoring well/piezometer construction contained in Sections 64 - 69 of Part G of Chapter XI of WDEQ/WQD rules and regulations take precedence over permit application content and shall be implemented when the well(s)/piezometer(s) are constructed, installed and developed:
- a. The borehole diameter shall be at least four (4) inches larger in diameter than the casing diameter.
 - b. Filter pack, annular seal, and surface seal material shall be entered into the monitoring well/piezometer in a manner such that no voids or bridging occur.

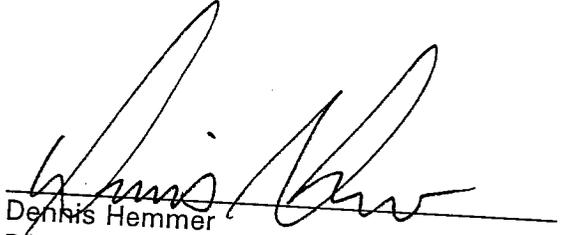
Permit Number 97-223

- c. The annular space above the bentonite seal to within one foot (1') of the surface will be sealed with neat cement grout, sand-cement grout, bentonite, or concrete according to the specifications provided in WQD Chapter XI, Section 65(c)(i-viii).
- d. A protective casing shall be cemented into place with the upper one (1) foot of the annular space completed in cement, forming a concrete apron sloping away from the monitoring well/piezometer.

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

8-26-97
Date of Issuance

KLE/mad 72657.LTR

cc: IPS, Lander

51865.doc



THE STATE OF WYOMING



JIM GERINGER
GOVERNOR

Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848

• Fax (307) 332-7726

ABANDONED MINES
(307) 332-5085

AIR QUALITY
(307) 332-6755

LAND QUALITY
(307) 332-3047

SOLID & HAZARDOUS WASTE
(307) 332-6924

WATER QUALITY
(307) 332-3144

August 21, 1997

Mr. Robert Arambel
PacifiCorp, Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, WY 82942

**Re: Jim Bridger Power Plant, Phase II, Diesel Release Investigation
Corrective Action Plan
Sweetwater County, WY**

Dear Mr. Arambel:

Please find attached a DEQ/WQD Groundwater Pollution Control (GPC) review form which accepts the above referenced report. The permit is currently awaiting the appropriate signatures in Cheyenne. I anticipate that the permit will be approved next week. At that time, the permit and the approved corrective action plan will be sent to you. Please note the requirements of the attached review.

If you have any questions, please feel free to call me at (307)332-3144.

Sincerely,

Keith L. Estenson
Engineering Evaluator
Water Quality Division

XC: Tom Meyer, JBR Environmental, 8160 South Highland Drive, #A-4, Sandy, UT 84093
Harold Stock, PacifiCorp, 1407 W. North Temple, Suite #270, SLC, UT 84140
File: PP&L, Jim Bridger Power Plant, Sweetwater
1997 Southwest District Review Forms
1997 Southwest District Running Record
Chronological
Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne
Phillip Stump, GPC Program, WQD/Cheyenne

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: PacifiCorp, Jim Bridger Power Plant
Robert Arambel
P.O. Box 158
Point of Rocks, Wyoming 82942

ENGINEER/
CONSULTANT: Weston
Tom Meyer
1709 Bryan Ave.
SLC, UT 84108

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 97-223
 EXISTING NEW AS BUILT

TITLE: Corrective Action Plan, Phase II Fuel Oil Release Remediation at the Jim Bridger Power Plant, Point of Rocks, Wyoming
 PLANS SPECS PROPOSAL REPORT
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: June 10, 1997 (Date stamped June 23, 1997)

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES [95-095]

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING ENGINEER:

Keith L. Estenson
Keith L. Estenson

DATE OF THIS REVIEW: August 21, 1997

ACTION: Corrective Action Plan Approved

1.3.5 Power Generating Units Investigation. The occurrence of petroleum contamination in the vicinity of the power generating units was investigated. A petroleum hydrocarbon lens on the top of the water table was identified beneath the power generating Units. The lens is composed of fuel oil from leaks in a former buried fuel oil distribution pipeline system. (There were three documented leaks in the 1980's. The portion of the line with the three leaks was abandoned in place during 1991 and replaced with a new above ground line.) The main body of the petroleum hydrocarbon lens extends over an area of approximately 18 acres. The lens is over 550 feet wide at its widest point, and symmetrically located around the former distribution pipeline. The lens ranges in thickness from 1 foot to 13 feet. **The approximate volume of the fuel oil within the lens ranges between 1.14 and 1.9 million gallons.**

The down gradient migration of the petroleum hydrocarbon lens is limited by the presence of the Lewis/Almond geologic contact because of the low permeability section of the Lewis Formation which impounds both the groundwater and fuel oil. Migration from the fuel oil lens has occurred along the geologic contact. This is likely responsible for the diesel seep located south of the site. The report states that the migration along this pathway has apparently ceased in response to the elimination of growth in the volume of the main petroleum hydrocarbon lens. Limited migration is occurring to the northeast as small quantities of fuel are being drawn from the main body of the petroleum hydrocarbon lens and into the BAST draw down cone.

Groundwater contamination in the vicinity of the power generating units appears to be limited. Of the 18 wells sampled, only three wells had detectable concentrations of petroleum contaminants, and only one well contained a contaminant concentration in excess of state and federal DWEL's and MCL's. The groundwater sample collected from UW-17 reported a benzene concentration of 0.02 mg/l.

Soil contamination in the vicinity of the power generating units have been identified. The soil contamination is related to the distribution and migration of fuel oil in the petroleum hydrocarbon lens. The thickness of the contaminated soil ranges from one to seven feet. A TPH concentration was found as high as 89,000 mg/kg in the soil.

1.3.6 Tanks Investigation. Petroleum hydrocarbon contamination was not encountered in any form at the "million" gallon fuel oil storage tank facility, the 350,000 gallon "day tank" fuel oil storage facility or at the heavy equipment fueling facility.

Soil and groundwater contamination was identified in the area of the light vehicle fueling facility. Soil contamination was detected with a maximum TPH concentration of 980 mg/kg and BTEXN of 6.89 mg/kg. A single groundwater sample reported a benzene concentration of 0.30 mg/l. The source was either a former UST or releases of fuels during vehicle fueling operations.

Petroleum contamination of soils was observed near the emergency fire pump house. Soil contamination was detected with a maximum TPH concentration of 3,300 mg/kg and BTEXN of 7.4 mg/kg. Contamination is reported to appear limited and probably the result of surface spills.

hydrocarbon skimmer attachment, a pneumatically actuated pump cycle controller, a compressed air or compressed gas energy source, a compressed air or compressed gas pressure regulator, a compressed air dryer (optional, for compressed air sources), a 1000 gallon double walled petroleum hydrocarbon collection tank, a petroleum hydrocarbon recovery tank overflow sensor and control, a petroleum hydrocarbon discharge totalizer, an electrically operated submersible multi-stage impeller type groundwater depression pump, float and conductivity probes, an electrically operated pump controller, discharge shut-off, a groundwater discharge totalizer, and a small, ventilated structure to protect the recovery well head and house pumping controls and instrumentation equipment.

2.3.2 Recovery Tests. Petroleum hydrocarbon recovery tests were conducted in seven monitor wells. Petroleum hydrocarbon recovery rates were calculated for each well, ranging from 8.6 to 43.2 gallons per day. The number and spacing of recovery wells was designed to prevent migration of the petroleum hydrocarbon lens by creating a water table "capture zone". The wells will consist of two existing six inch diameter recovery wells (JBRW-1 and JBRW-2), and as many as 20 additional six inch or eight inch wells.

2.3.3 Depression vs. Recovery. The CAP proposes two options for operating the system. Option 1 includes the initial operation of the petroleum hydrocarbon recovery followed by a later period of petroleum hydrocarbon recovery and water level depression. Option 2 would consist of simultaneous operation of both petroleum hydrocarbon recovery and water table depression. Under Option 1, petroleum hydrocarbon recovery would take place for four to five years before the water table depression pumps would be activated. The advantage of Option 1 is the reduced volume of groundwater to be handled over the operational life of the system. The advantage of Option 2 is the immediate control of petroleum hydrocarbon migration and a reduced period of recovery system operation.

PacifiCorp anticipates that petroleum hydrocarbon recovery will be initiated under Option 1. The decision will be made, however, based on the results of modeling. Modeling will determine the optimal start up time required to maximize petroleum hydrocarbon recovery and minimize costs and length of operation. Under Option 1, groundwater pumping would begin when petroleum hydrocarbon recovery becomes asymptotic.

2.3.4 Water Disposal. Under either option, PacifiCorp proposes to limit the operation of the system to eight months per year to minimize maintenance and operational costs associated with winter operations and the impact of groundwater discharge to the plant's system. Water table depression pumps will be installed at least 10 feet below the petroleum hydrocarbon/water table interface which will facilitate discharge of the water without above ground petroleum hydrocarbon/water separation. Recovered groundwater will be discharged into the plant's surface run-off collection system, which is comprised of a storm drain system and the bottom ash trenches (below grade concrete lined trenches). This surface run-off collection system eventually enters the 01 Effluent Pond, with excess wastewater being pumped from the 01 Effluent Pond to the 91 Effluent Pond and Evaporation Ponds. These are non-discharging ponds.

Manual-Corrective Action Systems" document. The O&M Manual shall also contain the following information:

3.5.1 Final 'As-built' construction drawings of any sections of the system that were modified from the original permit application. Please provide engineering drawings that are scaled to show sufficient details.

3.5.2 A detailed description of the handling and disposal of recovered groundwater and petroleum hydrocarbons.

3.6 A report summarizing the operation of the Hydrocarbon Recovery System shall be submitted within 90 days following the start-up. The report shall include an evaluation of the system's performance in meeting its original objectives. At a minimum the report shall contain the following:

3.6.1 A description of the Recovery System operation and an analysis of the empirical data from the operation which includes:

3.6.2.1 Performance results (radius of influence (ROI) as measured by water table and free product measurements, product recovery rates, and total volumes of product recovered in each recovery well);

3.6.2.2 Empirical data shall be presented in tabular form and in graphical form (i.e., total volume of hydrocarbons recovered vs. time of operation), and;

3.6.2.3 Plan view maps of the site illustrating:

- (1) the radius of influence of the groundwater recovery wells;
- (2) free product thickness contour maps from the monitoring events;
- (3) the potentiometric surface (water table elevations) during the sampling events; and,
- (4) locations of the monitoring wells, piezometers, and recovery wells.

END OF REVIEW

General Contents of Operation and Maintenance (O&M) Manual Corrective Action Systems

1. Title Page
2. Table of Contents
- III. Chapter 1: Introduction
 - A. Brief description of system and facilities
 - B. User guide (brief description of O&M manual organization and intended use)
 - C. Personnel responsibilities
- IV. Chapter 2: Permits
 - A. Permit requirements and other regulatory requirements
- V. Chapter 3: Description of System Operation
 - A. Detailed description of all facilities, major components or unit processes
 1. Size and capacity
 2. Loading rate (where applicable)
 - B. Detailed description of system operation for each component
 1. Startup operation
 2. Routine/normal operation
 3. Shutdown operation
 4. Alternate/abnormal operation
 5. Emergency operation
 - a. Power outage operation
 6. Description of modification and fine-tuning following start-up to enhance system operation
 - C. Flow diagrams
 1. Entire system
 2. Each component or unit process
 3. Under various operating conditions as listed in (III),(B)
 - D. Detailed description of system controls
 - E. Detailed description of utilities on site
- VI. Maintenance Manuals (for individual units, if required)
 - A. Table of contents for each volume
 - B. Description of unit and component parts
 1. Drawings
 2. Written text as required to supplement product data for the

- particular installation
- C. Operating procedures
 - 1. Troubleshooting
- D. Maintenance procedures and schedules
 - 1. Service and lubrication schedule
 - 2. Parts list
 - 3. Recommended spare parts
 - 4. Service contracts
- E. Index to manufacturer's owner manuals

VII. Emergency Procedures

- A. Detailed procedures for possible foreseeable emergencies:
 - 1. Power outages
 - 2. Equipment failure
 - 3. Development of unsafe conditions
 - 4. Others
- B. Emergency notification procedures
- C. Personnel responsibilities

VIII. Safety

IX. Appendix

- A. 'As-built' plans and specifications
- B. Log sheets
 - 1. Field Activities
 - 2. O&M Checklist
 - a. Preventative maintenance
 - 3. Groundwater sampling and monitoring data sheet
- C. Manufacturer's Owner Manuals & Specification Sheets

PERMIT TO CONSTRUCT

XX

New
Renewal
Modified

PERMIT NO. 97-225
SPECIAL CONDITIONS

GREENAUGH SEPTIC SYSTEM

This permit hereby authorizes the applicant:

Pat and Sandi Greenaugh
87 Beaver Creek Road
Sheridan, WY 82801

to construct, install or modify a commercial septic system for a dog kennel with 10 cages according to the procedures and conditions of the application number 97-225. The facility is located in Section 11, SW $\frac{1}{4}$ SW $\frac{1}{4}$ Township 55 North, Range 85 West of the 6th Principle Meridian in the county of Sheridan, 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: 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.

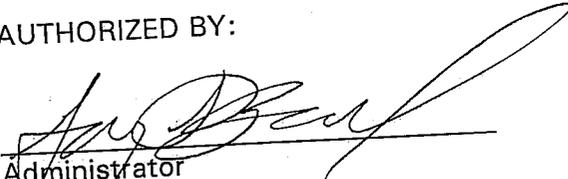
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

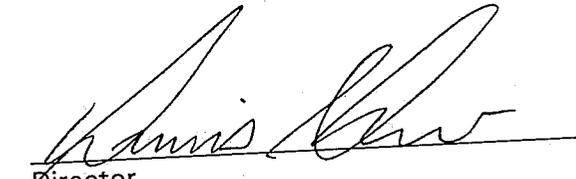
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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 At least three (3) days prior to beginning construction of this facility, the permittee shall contact the Sheridan County Engineer, 224 South Main, Suite B8E, Sheridan, WY 82801 Attn Steve Bond (307) 672-3426 to arrange for an on site inspection of the facility as it is constructed.
- 2 of 5. The applicant will notify the UIC Program Supervisor 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.
- 3 of 5. The applicant will provide immediate oral and/or written notice to the UIC Program Supervisor 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.
- 5 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to UIC Program Supervisor 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.
- 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

6-30-97

Date of Issuance

RFL/mad 72094.LTR

cc: Brian Mark, Sheridan Office
Bruce Nelson, Environmental Design Engineering, 23 North Scott Street, Suite 23, Sheridan, WY 82801

STATEMENT OF BASIS

- I. General information.
 - A. Permit Number: 97-225
 - B. Permit covers a commercial septic system of very limited capacity. The system has a capacity of 150 gallons per day of waste generated by the washing of floors in a dog kennel with only 10 cages. The wastewater should have a strength similar to domestic sewage. Septic tank capacity has been increased to provide for additional retention time.
- 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.

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.

VIII. Applicant Participation

- A. The applicant has been provided with a copy of all permit conditions prior to the permit being issued.

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 Robert F. Lucht, P.E. and P.G., UIC Program Supervisor, and completed on June 26, 1997. 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. 97-226
SPECIAL CONDITIONS

STAN DODSON RESIDENTIAL SEPTIC SYSTEM

This permit hereby authorizes the applicant:

Stan Dodson
1830 East 2nd Street
Casper, WY 82601

to construct, install or modify a septic system according to the procedures and conditions of the application numbers 97-226. The facility is located in Section 5 of T50N R66W in the county of Crook, 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 (DEQ/WQD), 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/WQD 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, DEQ/WQD, 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.

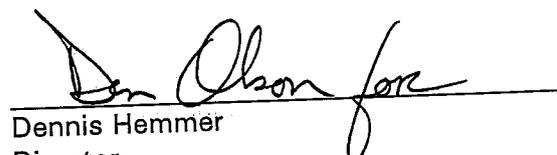
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will notify the Northeast District Office 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:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

8-7-97
Date of Issuance

DRM/pr/ks 72514.ltr

Enclosures: Notification Post Card
Certificate of Completion
Statement of Basis

xc: Mayor Brandenburg, Town of Pine Haven, 24 Waters Drive, Pine Haven

STATEMENT OF BASIS

General information.

A. Permit Number: 97-226

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 III¹. (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 DEQ/WQD-SPO Program Principal, and completed on August 5, 1997. 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

¹Sediment 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. 97-227
SPECIAL CONDITIONS

BACKFLOW PREVENTION & CROSS-CONNECTION CONTROL EQUIPMENT

This permit hereby authorizes the applicant:

Vista West Water Company
P.O. Box 398
Buffalo, WY 82834
Attention: Paul Lowham

to construct, install or modify backflow prevention and cross-connection control equipment according to the procedures and conditions of the application number 97-227. The facility is located in Sections 27, 28, 29, 33 and 34 of Township 34 North Range 80 West in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of 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 (DEQ/WQD) 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/WQD the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the Northeast District Office: DEQ/WQD, 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.

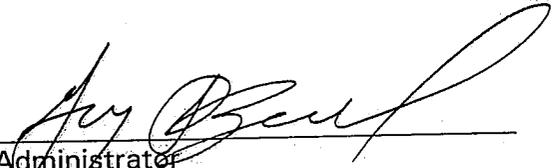
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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 Northeast DEQ/WQD District Office 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 DEQ/WQD 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 DEQ/WQD 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

7-2-97

Date of Issuance

DRM/pr
b/72147.ltr
xc: Hugh Lowham, 1817 Concha Loop, Cheyenne, 82009

Enclosures: Notification Post Card, Certificate of Completion, Statement of Basis

STATEMENT OF BASIS

General information.

A. Permit Number: 97-227

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.¹ (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 DEQ/WQD-SPO Program Principal, and completed on June 24, 1997. 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/bb/72147.ltr

¹Sediment 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. 97-228
SPECIAL CONDITIONS

Ted Schumacher Septic System

This permit hereby authorizes the applicant:

Ted Schumacher
P.O. Box 578
Buffalo, WY 82834

to construct, install or modify a septic system according to the procedures and conditions of the application number 97-228. The facility is located in the NE/4 of the SW/4, Section 4, Township 54 North, Range 64 West in the county of Crook, 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.

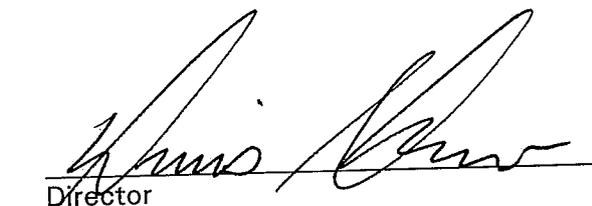
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 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

7-15-97
Date of Issuance

BDM/pr:mad 72216.LTR

cc: Crook County Small Wastewater File

STATEMENT OF BASIS

General information.

A. Permit Number: 97-228

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 III¹. (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 Brian D. Mark, Senior Environmental Analyst, and completed on July 8, 1997. 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

¹Sediment 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. 97-229
SPECIAL CONDITIONS

FIRST CHEYENNE FED CU WTR/HYDRANT

This permit hereby authorizes the applicant:

FIRST CHEYENNE FED CU
2360 PERSHING BLVD
Cheyenne, WY, 82001

to construct, install or modify a water line extension and fire hydrant according to the procedures and conditions of the application number 97-229. The facility is located in SW 1/4 Section 28 T14N R66W in the county of Laramie, 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: Southeast District, 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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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

7-15-97
Date of Issuance

LBH/mad 72211.LTR

STATEMENT OF BASIS

General information.

A. Permit Number: 97-229

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.

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 III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NO

- VII. Documentation of Statement of Basis.

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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on July 8, 1997. 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."

¹Sediment 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. 97-230
SPECIAL CONDITIONS

GOSHEN COUNTY SHOPS/SWR EXTENSION

This permit hereby authorizes the applicant:

Goshen County
P.O. Box 160 Courthouse
Goshen, WY, 82240

to construct, install or modify a sewer line extension according to the procedures and conditions of the application number 97-230. The facility is located in NW 1/4 Section 9 T24N R61W in the county of Goshen, 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: Southeast District, 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.

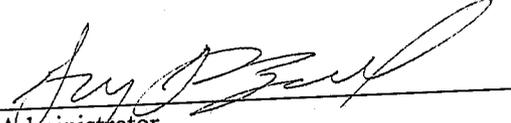
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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

7-15-97
Date of Issuance

LBH/mad 2212.LTR

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-230
- 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.
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 III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NO

- VII. Documentation of Statement of Basis.

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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on July 8, 1997. 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."

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



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 21, 1997

Ken Houx
1581 Hwy 270, Star Route
Glendo, Wyoming 82201

RE: Permit Reporting Requirements for Permit Number - 97-231

Dear Mr. Houx:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE:ks 72362.ltr

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-231
SPECIAL CONDITIONS

Houx Residential Septic System

This permit hereby authorizes the applicant:

Ken Houx
1581 Hwy 270, Star Route
Glendo, Wyoming 82201

to construct and install a residential septic system with "Infiltrator" leach field according to the procedures and conditions of the application number 97-231. The facility is located in the SW 1/4 of Section 18, T24N, R67W 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 Engineering 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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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. **Septic Tank Riser Required** - The manway must be extended to the ground surface on Vaughn Concrete Products septic tanks when clean-out risers are not provided.

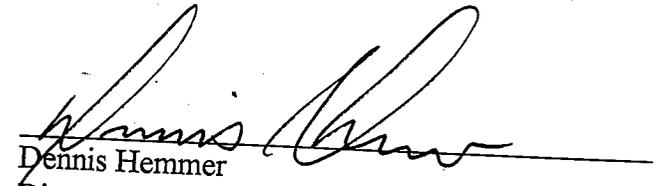
PERMIT NO. 97-231

5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-24-97

Date of Issuance

RLE:ks 72363.ltr

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-231
- 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 III¹. (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.

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 21, 1997. 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."

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

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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August 5, 1997

Mr. Jim Byre
4603 E. 6th Street
Cheyenne, Wyoming 82001

RE: Permit Reporting Requirements for Permit Number - 97-232

Dear Mr. Byre:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. Standard reporting requirements include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

In addition to the requirements listed above, this permit includes **reporting requirements** which are **specific to this project**:

4. You must notify the Laramie County Environmental Health Division to come and inspect the construction before it is covered. Please refer to the permit for the specific requirements. (Condition 5)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
3E District, Water Quality Division

Enclosure: Permit Referenced Above

cc: Roger H. Krum, Cowboy Country Construction, 2308 Champion Drive, Cheyenne, Wyoming 82009

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. 97-232
SPECIAL CONDITIONS

Sunnyside Self Storage - Commercial/Residential Septic System

This permit hereby authorizes the applicant:

Jim Byre
4603 E. 6th Street
Cheyenne, Wyoming 82001

to construct and install a domestic nature commercial/residential septic system with leach field according to the procedures and conditions of the application number 97-232. The facility is located in the SW 1/4 of Section 26, 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 Engineering 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.

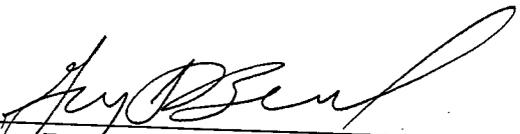
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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:

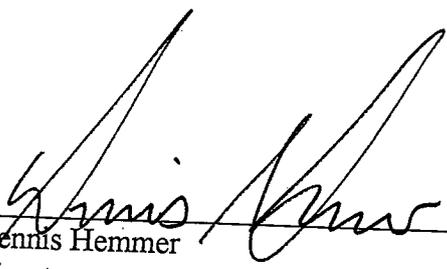
- 1 of 7. The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 7. The applicant will provide immediate oral and/or written notice to the DEQ/WQD Southeast District Office in accordance with 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 7. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD 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 7. **Septic Tank Riser Requirement** - The manway on Vaughn Concrete Products septic tanks must be extended to the ground surface when clean-out risers are not provided.
- 5 of 7. The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater collection and treatment system. The **201 Facilities Plan Final Report: City of Cheyenne, South Cheyenne Water and Sewer District, and Laramie County** requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be properly abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan.
- 6 of 7. 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.

of 7. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

8-11-97
Date of Issuance

RLE/bb/72486.ltr
cc: Laramie County Environmental Health Division

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-232
- 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 III¹. (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.

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 7, 1997. 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/72486.ltr

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

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 15, 1997

Thurman E. Decker
P.O. Box 1195
Gillette, WY 82717

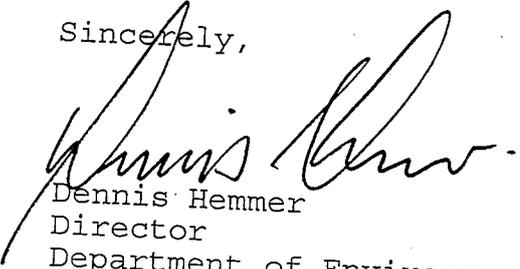
RE: As-Built Permit To Construct, WQD Reference Number 97-233

Dear Mr. Decker:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the referenced As-Built Application submitted by your engineer, Mr. David Bressler, American Technical Services, Black Hawk, SD. Our review of the information and as-constructed plans submitted to this department indicates that the application meets DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued. The enclosed permit covers the monitor wells which have already been constructed.

Please be advised that the monitor wells must be constructed in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions. Any person objecting to a permit issued by the DEQ and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the Rules of Practice and Procedure for the Department of Environmental Quality and the Wyoming Administrative Procedures Act.

Sincerely,


Dennis Hemmer
Director
Department of Environmental Quality

WDF/mad 72325.LTR
Enclosure

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: SITE CHARACTERIZATION
FACILITY: Sheridan Decker's Food Center
APPLICANT: Thurman E. Decker
P.O. Box 1195
Gillette, WY 82717
(307) 682-5906
CONSULTANT: American Technical Services
7557 Black Hawk Road, P.O. Box 558
Black Hawk, SD 57718
(605) 787-9303
Attn: Dave Bressler

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 97-233

EXISTING NEW AS BUILT

TITLE: Permit Application for Monitoring Wells, Decker's Food Center, Sheridan, WY

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: June 18, 1997

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING GEOLOGIST: Don Fischer

DATE OF THIS REVIEW: July 15, 1997

ACTION: **As-built Permit to Construct Authorized pursuant to permit conditions**
COMMENTS: GROUNDWATER SECTION

I. BACKGROUND AND LOCATIONAL DATA:

Monitor wells were installed at the Decker's Food Center as part of a site assessment because the property will be leased to and known as Dan's Supermarket. The facility is located at 400 Broadway Street in Sheridan. The Public Land Survey System location is NW ¼ Section 26, Township 56 North, Range 84 West. The geographic coordinates in decimal degrees are 44.802334 North Latitude and 106.953791 West Longitude.

II. SUMMARY OF EXISTING CONTAMINATION:

The following table displays the results of the sampling and analyses of the groundwater in the monitor wells at the Decker's Food Center.

GROUNDWATER ANALYTICAL RESULTS: JUNE 1997			
COMPOUND	MW#1 (NE)	MW#2 (SE)	MW#3 (NW)
TPH (GRO) (mg/l)	ND	33	283
TPH (mg/l)	ND	33	1130
TPH (DRO)	ND	ND	5.5
T.E.H. (mg/l)	ND	ND	7.3
cis 1,2- Dichloroethene (ug/l)	9.6	16	14
Tetrachloroethene (ug/l)	28	71	7.2
Trichloroethene (ug/l)	18	34	21

Note: ND = Not detected at Lab. Detection limit
TPH = Total Purgeable Hydrocarbons
T.E.H. = Total Extractable Hydrocarbons

III. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

The consulting firm, American Technical Services, Inc., installed 3 monitor wells on the property on June 3-5, 1997. The soil and groundwater samples were sent to Energy Laboratories in Billings for analyses. The gasoline and diesel range hydrocarbons are not

likely the result of activities at the site. Gasoline and diesel range hydrocarbons have been detected in the area during an WDEQ/WQD/Underground Storage Tank (UST) Program subsurface site investigation and have most likely migrated from off-site. All three monitor wells contained concentrations of chlorinated solvents in exceedence of the water quality standard. The trichloroethane and cis-1,2 dichloroethene may be the daughter or degradation products of tetrachloroethane, which is a common cleaning solvent used by dry cleaning facilities. The highest concentration of tetrachloroethane (71 $\mu\text{g/l}$) occurred in MW #2, which is located on the southeastern corner of the property. The groundwater gradient in this area of Sheridan is the northeast. This would indicate that an off site influence may be occurring. In addition, soil sample results from the soil borings were non-detect for the chlorinated solvents, also indicating that the contamination is probably migrating in the subsurface.

IV. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

No additional sampling is being required by the WDEQ at this time. The monitor wells shall not be plugged and abandoned without prior authorization from the department. The groundwater and soils in this area are currently being investigated by the WDEQ/WQD/UST program for remediation. A representative of the UST program may be contacting you for permission to incorporate the monitor wells at this facility into the Sheridan UST Subsurface Investigation.

END OF REVIEW

AS-BUILT
PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. 97-233
SPECIAL CONDITIONS

Sheridan Decker's Food Center

This permit hereby authorizes the applicant:

Thurman E. Decker
P.O. Box 1195
Gillette, WY 82717

to have constructed, installed or modified monitor wells according to the procedures and conditions of the application number 97-233. The facility is located in NW ¼ Section 26, Township 56 N, Range 84W in the county of Sheridan, 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, meets 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.

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.

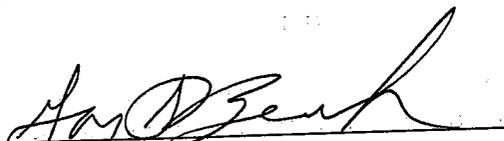
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

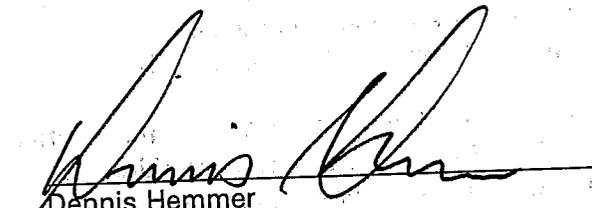
The permittee has constructed and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or 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. No monitoring well shall be abandoned without prior approval from the Water Quality Division. After the monitoring wells have fulfilled their 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.
2. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
3. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - a. 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. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used; and
 - viii. The results of such analyses.

AUTHORIZED BY:


Gary Beach
Administrator
Water Quality Division


Dennis Hemmer
Director
Department of Environmental Quality

7-24-97
Date of Issuance

WDF/mad 72327.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: **SITE CHARACTERIZATION**

FACILITY: BNSF Railroad Crossing # 90869C (Haliburton Crossing)

APPLICANT: Mr. Bruce A. Sheppard
Manager: Environmental Remediation
Burlington Northern Santa Fe Railroad
2000 First Interstate Center
999 Third Avenue
Seattle, WA 98104-1105

ENGINEER: Mr. Nic Winslow
Remediation Technologies, Inc
1001 S. 24th Street W., Suite 105
Billings, MT 59102

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: #97-234
 EXISTING NEW AS BUILT

TITLE: Groundwater Investigation Workplan
 PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: Rec: June 23, 1997

IS THIS PROPOSAL SUBMITTED PURSUANT TO:
'CONDITIONS' TO ANY WQD PERMIT? NO YES
AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING GEOLOGIST: Don Fischer



DATE OF THIS REVIEW: July 9, 1997

ACTION: **Permit to Construct No. 97-234 authorized**

COMMENTS: GROUNDWATER SECTION

I. LOCATIONAL DATA:

The site is located north of Worland, near the intersection of Lane 10 and Highway 16. The Public Land Survey location is SE ¼, Section 24, Township 47 North, Range 92 ½ West. The geographic coordinates in decimal degrees are -107.950764 West Longitude and 44.034589 North Latitude.

II. SUMMARY OF EXISTING CONTAMINATION:

(From Correspondence dated November 19, 1996 from RETEC to Jeff Hermansky) on September 27, 1996, an accident occurred between a BNSF train and a Haliburton truck. The accident caused the release of diesel (approximately 1390 gallons) from the locomotive tank that was punctured by the Haliburton truck. The diesel spilled from the tank onto the ballast over the first 1430 feet that the train traveled prior to coming to a complete stop. The train stopped 1430 feet from the crossing and then pulled forward 120 feet and then stopped again. At the second stop the hole was temporarily plugged and the train pulled forward to the area where the diesel was removed from the damaged tank. Diesel staining was observed for one-half mile along side of the track; from the area of impact to the location in which the fuel was off-loaded. In the two areas where the locomotive stopped, diesel staining was observed not only on the ballast but also in a finger pattern 10 to 12 feet down the side of the rail bed.

III. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

1. On January 21, 1997, RETEC collected soil and groundwater samples from the two contaminated areas. The results of the sampling are displayed in the following table:

SAMPLE #	MATRIX	DEPTH (FT)	DRO	T.E.H
1-97-1	soil	1	81	106
1-97-5	soil	5	93	109
1-97-13	soil	13	55	63
2-97-1	soil	1	8010	8160
2-97-6	soil	6	210	214
2-97-13	soil	13	31	40
1-GW-97	water	13	13	14

NOTE: All results in Parts per million
D.R.O=Diesel Range Organics (TPH)
T.E.H=Total Extractable Hydrocarbons

IV. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

1. Due to the access problems along the rail line and shallow groundwater associated with this site, the department will allow drive point wells to be installed instead of conventional monitor wells that would require a drilling rig.
2. The groundwater from the drive point wells shall be sampled and analyzed in accordance with the following table until further notice from the WDEQ:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED
ALL	QUARTERLY	EPA METHOD 8270	Semi-volatile hydrocarbons
ALL	QUARTERLY	EPA METHOD 8015M	TPH (DRO)

3. WDEQ/WQD Permit to Construct No. 97-234 is authorized pursuant to the conditions attached to the permit and the specifications in the permit application.

END OF REVIEW

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. 97-234
SPECIAL CONDITIONS
REF/PERMIT #

BNSF-HALIBURTON CROSSING

This permit hereby authorizes the applicant:

Burlington Northern Santa Fe Railroad
2424 Occidental Avenue South Suite 1A
Seattle, WA 98134

to construct, install or modify monitor wells according to the procedures and conditions of the application number 97-234. The facility is located in SE ¼ Section 24, Township 47 North, Range 92 West 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 applicant's engineer's design are the responsibility of the permittee, owner, and/or operator.

The authority to construct granted by this permit does not mean or 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.

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, Department of Environmental Quality, Water Quality Division, Groundwater Program, 1043 Coffeen Avenue, Sheridan, Wyoming 82801, telephone (307) 672-6457.

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. No monitoring well shall be abandoned without prior approval from the Water Quality Division. After the monitoring wells have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations.
2. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor wells and sample collection so that they may be on site if deemed necessary.
3. The applicant is responsible for obtaining any Permits required by the State Engineer's Office ((307) 777-7354).
4. The permittee shall maintain records of all monitoring information for a period of at least 3 years.

a. 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. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
- iv. Sampling procedures and sample preservation accomplished;
- v. The date(s) analyses were performed;
- vi. Names of individuals who performed the analyses;
- vii. The analytical techniques or methods used; and
- viii. The results of such analyses.

5. 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
ALL	QUARTERLY	EPA METHOD 8270	Semi-volatile hydrocarbons
ALL	QUARTERLY	EPA METHOD 8015M	TPH (DRO)

6. After the second monitoring event, the WQD may substitute a shorter list for the above parameters, depending on the results of the second monitoring event. WQD may substitute less expensive methods for the above listed methods depending upon the analytical results of the monitoring.
7. The results of these analyses shall be submitted to the Sheridan office at the following address, WDEQ/WQD/Groundwater Program, 1043 Coffeen Avenue, Sheridan, WY 82801 by the last day of the month following the end of each quarter. The first set of results are due upon receipt.
8. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to standard engineering practice.
9. Within ninety (90) days of issuance of this permit, or completion of the installation and sampling of monitoring wells authorized by this permit, the Applicant shall submit to WDEQ/WQD a **Report of Investigation**. At a minimum, the *Report of Investigation* shall contain the following information:
 - a. A chronology of events leading up to the investigation.
 - b. A site map which illustrates:
 - i. physical features (i.e. structures, utilities, etc.).
 - ii. monitoring well/piezometer/test pit/borehole locations.
 - iii. locations and use (i.e. domestic, irrigation, stock) of municipal drinking water and private groundwater supply wells existing within one (1) mile of the site.
 - iv. surface waters.
 - v. existing treatment, recovery, and containment systems.
 - c. Geohydrologic maps and cross sections that clearly describe the subsurface distribution of geologic materials and elevations of groundwater.
 - d. Borehole Installation Diagrams/Lithology Logs for boreholes installed under this permit.
 - e. 'As Built' Monitor Well Installation/Construction Diagrams for monitoring wells/piezometers installed under this permit.
 - f. Depth to water and product thickness measurements to the closest .01 ft.
 - g. Sample collection procedures utilized and laboratory analytical results (i.e. lab reports).
 - h. A map delineating the extent of the subsurface contamination, including:
 - i. Location(s) and thickness(es) of contaminated soils.
 - ii. LNAPL (free product) thickness iso-contours.
 - iii. Dissolved (in groundwater) contaminant iso-concentration maps.
 - i. A potentiometric surface map illustrating groundwater elevation (Mean Sea Level), gradient, well locations, and measurement results.
 - j. Interpretation of the data and summary conclusions of the investigation results.

k. A recommended **Corrective Action Plan** and schedule for either:

i. Development and implementation of additional **Subsurface Investigation** work to further characterize and define sub-surface and contaminant conditions in soil and/or groundwater.

OR

ii. Development and implementation of **Corrective Measures** to:

- (1) Control (contain) the migration of contaminated (dissolved) groundwater.
- (2) Restore the quality of groundwater to within Wyoming groundwater quality standards.

OR

iii. Development and submittal of a formal request, including a **Statement of Basis** to justify **Project (Site) Closure** or **No Further Action** based upon one or more of the following:

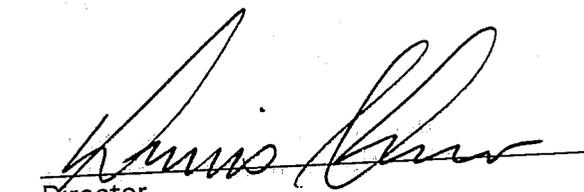
- (1) No apparent violation, nor potential for violation, of soil and/or groundwater quality standards;
- (2) Technical impracticability of eliminating or reducing any or all pollution.

10. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells shall be installed to define the nature and extent of the contamination.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

7-15-97
Date of Issuance

WDF/bb/72270.ltr

PERMIT TO CONSTRUCT

2
New
Renewal
Modified

PERMIT NO. 97-234
SPECIAL CONDITIONS
REF/PERMIT #

BNSF-HALIBURTON CROSSING

This permit hereby authorizes the applicant:

Burlington Northern Santa Fe Railroad
2424 Occidental Avenue South Suite 1A
Seattle, WA 98134

to construct, install or modify monitor wells according to the procedures and conditions of the application number 97-234. The facility is located in SE ¼ Section 24, Township 47 North, Range 92 West 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 applicant's engineer's design are the responsibility of the permittee, owner, and/or operator.

The authority to construct granted by this permit does not mean or 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.

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, Department of Environmental Quality, Water Quality Division, Groundwater Program, 1043 Coffeen Avenue, Sheridan, Wyoming 82801, telephone (307) 672-6457.

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. No monitoring well shall be abandoned without prior approval from the Water Quality Division. After the monitoring wells have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations.
2. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor wells and sample collection so that they may be on site if deemed necessary.
3. The applicant is responsible for obtaining any Permits required by the State Engineer's Office ((307) 777-7354).
4. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - a. 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. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used; and
 - viii. The results of such analyses.
5. 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
ALL	QUARTERLY	EPA METHOD 8270	Semi-volatile hydrocarbons
ALL	QUARTERLY	EPA METHOD 8015M	TPH (DRO)

6. After the second monitoring event, the WQD may substitute a shorter list for the above parameters, depending on the results of the second monitoring event. WQD may substitute less expensive methods for the above listed methods depending upon the analytical results of the monitoring.
7. The results of these analyses shall be submitted to the Sheridan office at the following address, WDEQ/WQD/Groundwater Program, 1043 Coffeen Avenue, Sheridan, WY 82801 by the last day of the month following the end of each quarter. The first set of results are due upon receipt.
8. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to standard engineering practice.
9. Within ninety (90) days of issuance of this permit, or completion of the installation and sampling of monitoring wells authorized by this permit, the Applicant shall submit to WDEQ/WQD a **Report of Investigation**. At a minimum, the *Report of Investigation* shall contain the following information:
 - a. A chronology of events leading up to the investigation.
 - b. A site map which illustrates:
 - i. physical features (i.e. structures, utilities, etc.).
 - ii. monitoring well/piezometer/test pit/borehole locations.
 - iii. locations and use (i.e. domestic, irrigation, stock) of municipal drinking water and private groundwater supply wells existing within one (1) mile of the site.
 - iv. surface waters.
 - v. existing treatment, recovery, and containment systems.
 - c. Geohydrologic maps and cross sections that clearly describe the subsurface distribution of geologic materials and elevations of groundwater.
 - d. Borehole Installation Diagrams/Lithology Logs for boreholes installed under this permit.
 - e. 'As Built' Monitor Well Installation/Construction Diagrams for monitoring wells/piezometers installed under this permit.
 - f. Depth to water and product thickness measurements to the closest .01 ft.
 - g. Sample collection procedures utilized and laboratory analytical results (i.e. lab reports).
 - h. A map delineating the extent of the subsurface contamination, including:
 - i. Location(s) and thickness(es) of contaminated soils.
 - ii. LNAPL (free product) thickness iso-contours.
 - iii. Dissolved (in groundwater) contaminant iso-concentration maps.
 - i. A potentiometric surface map illustrating groundwater elevation (Mean Sea Level), gradient, well locations, and measurement results.
 - j. Interpretation of the data and summary conclusions of the investigation results.

- k. A recommended **Corrective Action Plan** and schedule for either:
- i. Development and implementation of additional **Subsurface Investigation** work to further characterize and define sub-surface and contaminant conditions in soil and/or groundwater.

OR

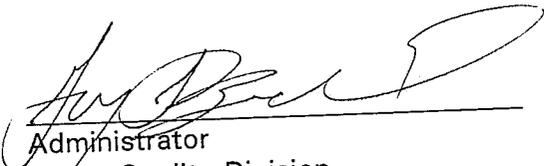
- ii. Development and implementation of **Corrective Measures** to:
- (1) Control (contain) the migration of contaminated (dissolved) groundwater.
- (2) Restore the quality of groundwater to within Wyoming groundwater quality standards.

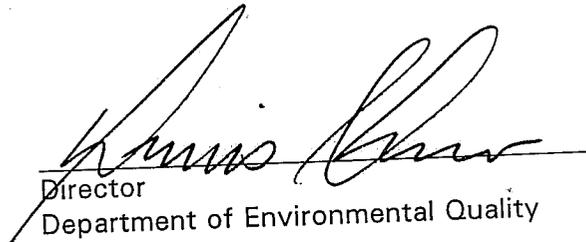
OR

- iii. Development and submittal of a formal request, including a **Statement of Basis** to justify **Project (Site) Closure** or **No Further Action** based upon one or more of the following:
- (1) No apparent violation, nor potential for violation, of soil and/or groundwater quality standards;
- (2) Technical impracticability of eliminating or reducing any or all pollution.

10. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells shall be installed to define the nature and extent of the contamination.

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Department of Environmental Quality

7-15-97
Date of Issuance

WDF/bb/72270.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: **SITE CHARACTERIZATION**

FACILITY: BNSF Railroad Crossing # 90869C (Haliburton Crossing)

APPLICANT: Mr. Bruce A. Sheppard
 Manager: Environmental Remediation
 Burlington Northern Santa Fe Railroad
 2000 First Interstate Center
 999 Third Avenue
 Seattle, WA 98104-1105

ENGINEER: Mr. Nic Winslow
 Remediation Technologies, Inc
 1001 S. 24th Street W., Suite 105
 Billings, MT 59102

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: #97-234
 EXISTING NEW AS BUILT

TITLE: Groundwater Investigation Workplan
 PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: Rec: June 23, 1997

IS THIS PROPOSAL SUBMITTED PURSUANT TO:
'CONDITIONS' TO ANY WQD PERMIT? NO YES
AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING GEOLOGIST: Don Fischer

DATE OF THIS REVIEW: July 9, 1997

ACTION: **Permit to Construct No. 97-234 authorized**

COMMENTS: GROUNDWATER SECTION

I. LOCATIONAL DATA:

The site is located north of Worland, near the intersection of Lane 10 and Highway 16. The Public Land Survey location is SE ¼, Section 24, Township 47 North, Range 92 ½ West. The geographic coordinates in decimal degrees are -107.950764 West Longitude and 44.034589 North Latitude.

II. SUMMARY OF EXISTING CONTAMINATION:

(From Correspondence dated November 19, 1996 from RETEC to Jeff Hermansky) on September 27, 1996, an accident occurred between a BNSF train and a Haliburton truck. The accident caused the release of diesel (approximately 1390 gallons) from the locomotive tank that was punctured by the Haliburton truck. The diesel spilled from the tank onto the ballast over the first 1430 feet that the train traveled prior to coming to a complete stop. The train stopped 1430 feet from the crossing and then pulled forward 120 feet and then stopped again. At the second stop the hole was temporarily plugged and the train pulled forward to the area where the diesel was removed from the damaged tank. Diesel staining was observed for one-half mile along side of the track; from the area of impact to the location in which the fuel was off-loaded. In the two areas where the locomotive stopped, diesel staining was observed not only on the ballast but also in a finger pattern 10 to 12 feet down the side of the rail bed.

III. CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

1. On January 21, 1997, RETEC collected soil and groundwater samples from the two contaminated areas. The results of the sampling are displayed in the following table:

SAMPLE #	MATRIX	DEPTH (FT)	DRO	T.E.H
1-97-1	soil	1	81	106
1-97-5	soil	5	93	109
1-97-13	soil	13	55	63
2-97-1	soil	1	8010	8160
2-97-6	soil	6	210	214
2-97-13	soil	13	31	40
1-GW-97	water	13	13	14

NOTE: All results in Parts per million
D.R.O=Diesel Range Organics (TPH)
T.E.H=Total Extractable Hydrocarbons

IV. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

1. Due to the access problems along the rail line and shallow groundwater associated with this site, the department will allow drive point wells to be installed instead of conventional monitor wells that would require a drilling rig.
2. The groundwater from the drive point wells shall be sampled and analyzed in accordance with the following table until further notice from the WDEQ:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED
ALL	QUARTERLY	EPA METHOD 8270	Semi-volatile hydrocarbons
ALL	QUARTERLY	EPA METHOD 8015M	TPH (DRO)

3. WDEQ/WQD Permit to Construct No. 97-234 is authorized pursuant to the conditions attached to the permit and the specifications in the permit application.

END OF REVIEW

WDF/bb/72271.ltr

LAND APPLICATION PERMIT

New
 Renewal
 Modified

PERMIT NO. 97-235
SPECIAL CONDITIONS
ALSO SEE DEQ PERMIT 97-040

DEVILS TOWER NATIONAL MONUMENT LAGOON BIOSOLIDS

This permit hereby authorizes the applicant:

Devils Tower National Monument
P.O. Box 10
Devils Tower, WY 82714
Attention: Mr. George San Miguel

to land apply lagoon biosolids according to the procedures and conditions of the application number 97-235. The facility is located in the NE/4 of Section 13 of Township 53 North Range 66 West in the county of Crook, in the State of Wyoming. This permit shall be effective until November 1, 1998.

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 design standards. The operation and maintenance of the facility to meet the consultant's design are the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the design of the facility described herein. This permit verifies only that the submitted application meets the design 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 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 (DEQ/WQD), upon the presentation of credentials and during working hours, to have access to inspect the facility, at the above location, for the purpose of compliance with the provisions of this land application 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.

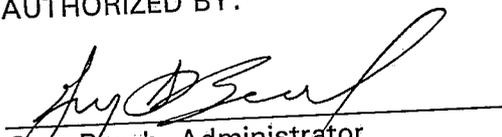
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

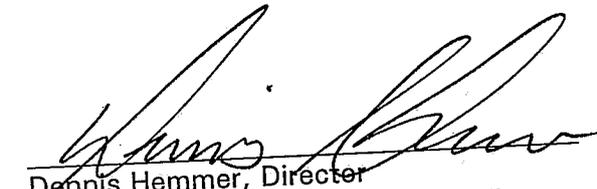
The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that 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 review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 2 of 5 The permittee shall notify the DEQ/WQD of the anticipated project commencement and completion dates with the attached post card, or by telephone or fax. At least 24 hours advance notice is required. The authorized representative in your area can be contacted at the following address: DEQ/WQD Northeast District Office, 1043 Coffeen Avenue, Suite D, Sheridan, WY, 82801, (307)672-6457, FAX (307)674-6050.
- 3 of 5 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.
- 4 of 5 Land application shall not occur when the soils are saturated or frozen.
- 5 of 5 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.

AUTHORIZED BY:


Gary Beach, Administrator
Water Quality Division


Dennis Hemmer, Director
Department of Environmental Quality

8-4-97
Date of Issuance

DRM/pr:mad 72428.LTR

Enclosures: Statement of Basis, Post Card, Certificate of Completion Form

xc: Larry Van Henry, Hot Iron, P.O. Box 1067, Gillette, 82717
Bob Brobst, EPA Region VIII, Denver

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-235
- 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 III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
Applicable

¹Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the

VI. If Section 15 of Chapter III of the Wyoming Water Quality Rules and Regulations (WWQRR) 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 of wastewater to groundwater (or surface water) is minimized by the uniform application and discing of the biosolids into the soil.

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

The quality of the biosolids does not exceed DEQ/WQD and EPA standards for heavy metals. Test results submitted by the applicant's consultant indicate the percentage of nitrogen in the biosolids will not produce any adverse affects on the reseeding efforts in the sewer line ROW.

VII. Documentation of Statement of Basis.

A. The archive 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, DEQ/WQD-SPO NE District Program Principal, and completed on July 25, 1997. 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

X
New
Renewal
Modified

PERMIT NO. 97-236
SPECIAL CONDITIONS

Linda Lang Septic System

This permit hereby authorizes the applicant:

Linda Lang
13 Lakeview Drive
Pine Haven, WY 82721-9720

to construct, install or modify a septic system according to the procedures and conditions of the application number 97-236. The facility is located in the SE/4 of the SE/4, Section 7, Township 48 North, Range 60 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 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

7-15-97

Date of Issuance

BDM/pr:mad 72193.LTR

cc: Weston County Small Wastewater File

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-236
- 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 III¹. (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 Brian D. Mark, Senior Environmental Analyst, and completed on July 7, 1997. 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

¹Sediment 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. 97-237
SPECIAL CONDITIONS
REF/PERMIT #

Five Mile Subdivision Water and Sewer Extensions

This permit hereby authorizes the applicant:

Collins Ranch Inc.
ATTN: Bruce Collins
P.O. Box 6012
Sheridan, WY 82801

to construct, install or modify a water distribution system and sewage collection system according to the procedures and conditions of the application number 97-237. The facility is located in Sections 18 and 19, Township 57 North, Range 85 West, and Sections 13 and 24, Township 57 North, Range 86 West in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of one (1) year 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.

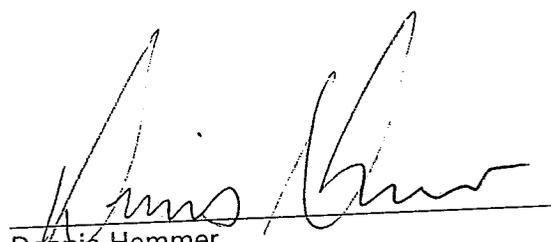
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 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:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-25-97

Date of Issuance

BDM/pr/ks 72380.ltr

cc: Jim Willey, Mentock Willey Consultants, 1030 N. Main St. #2, Sheridan, WY 82801

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-237
- 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 III¹. (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 Brian D. Mark, Senior Environmental Analyst, and completed on July 21, 1997. 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

¹Sediment 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. 97-238
SPECIAL CONDITIONS
REF/PERMIT #

Cody National Guard Armory

This permit hereby authorizes the applicant:

Wyoming Army National Guard
5500 Bishop Blvd
Cheyenne, WY 82009

to construct, install or modify monitor wells according to the procedures and conditions of the application number 97-238. The facility is located in SWSE 1/4 Section 5, Township 52 N, Range 101 West in the county of Park, in the State of Wyoming. This permit shall be effective for a period of five 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 applicant's engineer's design are the responsibility of the permittee, owner, and/or operator.

The authority to construct granted by this permit does not mean or 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.

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, Department of Environmental Quality, Water Quality Division, Groundwater Program, 1043 Coffeen Avenue, Sheridan, Wyoming 82801, telephone (307) 672-6457.

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. No monitoring well shall be abandoned without prior approval from the Water Quality Division. After the monitoring well(s) have fulfilled their 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.

2. ***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 and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
- 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. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used; and
 - viii. The results of such analyses.
 - ix. 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
All	Quarterly (for first year)	EPA Methods 8260,624, 200 Series	Halocarbons, Purgeable Organics, Cadmium, Chromium, Lead

PERMIT NO. 97-238

The results of these analyses shall be submitted to the Sheridan WDEQ/Groundwater Program at the following address, 1043 Coffeen Avenue, Sheridan, WY 82801 by the last day of the month following the end of each quarter. The first set of results are due upon receipt.

4. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those well(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.
5. All downhole equipment shall be de-contaminated between wells (borings) to minimize the potential for cross-contamination.
6. 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.
7. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected.
8. Water which is collected during monitoring well 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.
9. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor well(s) 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.
10. 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. In accordance with Section 13(a)(iv) of Chapter III of WDEQ/WQD rules and regulations, the following items relating to monitoring well construction contained in Sections 64 - 69 of Part G of Chapter XI of WDEQ/WQD rules and regulations take precedence over permit application content and shall be implemented when the well(s) are constructed, installed and developed:
 - a. The borehole diameter shall be at least four (4) inches larger in diameter than the casing diameter.
 - b. For water table (unconfined) aquifers, the screened interval shall extend at least two (2) feet above the highest expected groundwater level and five (5) feet below the lowest expected water table. Monitoring well(s) installed in confined and semi-confined aquifers shall be constructed in accordance with Chapter XI, Section 68 of Water Quality Division Rules and Regulations. Factory screen or slotted casing is recommended for the perforated interval.
 - c. To minimize the entrance of fine grained material into the monitoring well/piezometer, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval. The filter pack shall extend to a minimum of one (1) foot above the screened interval.

- d. Filter pack, annular seal, and surface seal material shall be entered into the monitoring well/piezometer in a manner such that no voids or bridging occur.
 - e. A minimum two (2) foot thickness of bentonite or bentonite grout is required at the top of the filter pack to serve as an annular seal. After the bentonite has been placed in the annular space, it shall be hydrated to insure a proper seal.
 - f. The annular space above the bentonite seal to within one foot (1') of the surface will be sealed with neat cement grout, sand-cement grout, bentonite, or concrete according to the specifications provided in WQD Chapter XI, Section 65(c)(I-viii).
 - g. A protective casing shall be cemented into place with the upper one (1) foot of the annular space completed in cement, forming a concrete apron sloping away from the monitoring well/piezometer.
 - h. A top and bottom cap of the same material as the monitoring well/piezometer casing shall be installed to prevent sediment and surface water from entering the monitoring well/piezometer.
12. Prior to sampling, monitoring well(s) shall be purged until a minimum of three (3) casing volumes have been removed, or until purged dry, whichever occurs first.
13. Sample collection, preservation, transportation and laboratory analytical procedures shall be completed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
14. Within ninety (90) days of issuance of this permit, or completion of the installation and sampling of monitoring well(s) authorized by this permit, the Applicant shall submit to WDEQ/WQD a **Report of Investigation**. At a minimum, the **Report of Investigation** shall contain the following information:
- a. A chronology of events leading up to the investigation.
 - b. A site map which illustrates:
 - i. physical features (i.e. structures, utilities, etc.).
 - ii. monitoring well/piezometer/test pit/borehole locations.
 - iii. locations and use (i.e. domestic, irrigation, stock) of municipal drinking water and private groundwater supply wells existing within one (1) mile of the site.
 - iv. surface waters.
 - v. existing treatment, recovery and containment systems.
 - c. Geohydrologic maps and cross sections that clearly describe the subsurface distribution of geologic materials and elevations of groundwater.
 - d. Borehole Installation Diagrams/Lithology Logs for boreholes installed under this permit.
 - e. 'As Built' Monitor Well Installation/Construction Diagrams for monitoring wells/piezometers installed under this permit.
 - f. Depth to water and product thickness measurements to the closest .01 ft..
 - g. Sample collection procedures utilized and laboratory analytical results (i.e. lab reports).

- h. A map delineating the extent of the subsurface contamination, including:
 - i. Location(s) and thickness(es) of contaminated soils.
 - ii. LNAPL (free product) thickness iso-contours.
 - iii. Dissolved (in groundwater) contaminant iso-concentration maps.
- i. A potentiometric surface map illustrating groundwater elevation (Mean Sea Level), gradient, well locations and measurement results.
- j. Using commonly accepted scientific and engineering practices for determination of the environmental fate of contaminants, use site-specific or comparable and reasonable literature data and/or values and provide estimates for the:
 - 1. Travel time (yrs.) of the contaminant plume (in groundwater) to the nearest downgradient property line;
 - 2. Travel time (yrs.) of the contaminant plume (in groundwater) to the nearest downgradient water supply well and occupied dwelling within one (1) mile of the site.

Provide equations, data used, and data sources used. Include lab results as appropriate.

- k. Interpretation of the data and summary conclusions of the investigation results.
 - l. A recommended **Corrective Action Plan** and schedule for either:
 - i. Development and implementation of additional **Subsurface Investigation** work to further characterize and define sub-surface and contaminant conditions in soil and/or groundwater.
- OR**
- ii. Development and implementation of **Corrective Measures** to:
 - (1) Remove LNAPL (Free-product).
 - (2) Control the migration of LNAPL (free-product)
 - (3) Control (contain) the migration of contaminated (dissolved) groundwater.
 - (4) Restore the quality of groundwater to within Wyoming groundwater quality standards.

OR

(Continued)

- iii. Development and submittal of a formal request, including a **Statement of Basis** to justify **Project (Site) Closure** or **No Further Action** based upon one or more of the following:
 - (1) No apparent violation, nor potential for violation, of soil and/or groundwater quality standards;
 - (2) Technical impracticability of eliminating or reducing any or all pollution.

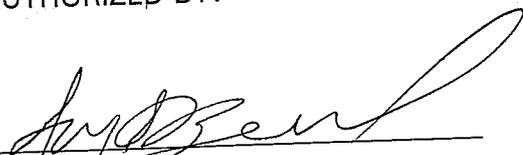
NOTE: All plans and schedules for implementation of Subsurface Investigations, Corrective Measures and Project (Site) Closure require Department of Environmental Quality, Water Quality Division (WDEQ/WQD) approval prior to their implementation.

m. **Sampling and Analysis Plan (SAP)** for continued groundwater monitoring and reporting.
The SAP shall include:

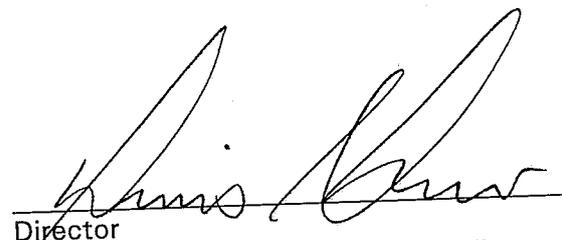
- i. Proposed format for reporting data.
- ii. Proposed frequency of sampling and/or monitoring events.
- iii. Proposed frequency of reporting .
- iv. A site map showing physical features and the location of monitoring wells.
- v. Proposed parameters for water sample analyses and lab analytical procedures.
The proposed parameters for analyses must include those constituents which are characteristic of the suspected contamination.
- vi. Description of sampling procedures to be followed, including:
 - (1) A description of (or reference to) groundwater sampling equipment to be used.
 - (2) Field sampling procedures or QA/QC plan (including decontamination procedures) to be used.
- vii. Mean Sea Level elevations of the top of the casing/measuring point and depth to water to the closest .01 ft.
- viii. A potentiometric surface map illustrating groundwater elevation (Mean Sea Level), gradient, well locations and measurement results.
- ix. From the most recent sampling event, a site map illustrating free product iso-contours and dissolved constituent iso-contours.
- x. Time vs. concentration graph illustrating historical change in groundwater monitoring elevations and contaminant concentrations at each monitoring well/piezometer over time for each monitoring and/or sampling event.

15. 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 well(s) shall be installed to define the nature and extent of the contamination.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

7-10-97
Date of Issuance

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: SITE CHARACTERIZATION;
FACILITY: Cody National Guard Armory
APPLICANT: Wyoming Army National Guard
5500 Bishop Blvd.
Cheyenne, WY 82009
(Ed Boenisch)
(307) 772-5285

CONSULTANT: Inter-Mountain Lab., Inc.
555 Absaraka
Sheridan, WY 82801
(Ramelle Burton-Olson)
(307)674-7506

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 97-238

EXISTING NEW AS BUILT

TITLE: Application for Permit to Install Monitor Wells, Wyoming Army National Guard Armory, Cody Wyoming

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: Received June 26, 1997

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING GEOLOGIST: Don Fischer 

DATE OF THIS REVIEW: July 2, 1997

ACTION: Permit to Construct Number 97-238 Authorized pursuant to attached conditions

COMMENTS: GROUNDWATER SECTION

I. LOCATION : The Cody Armory is located in the SWSE corner of Section 5, Township 52 North, Range 101 West. The street address is 2926 Duggleby Drive, adjacent to the regional airport. The geographic coordinates are 109°02'15" West Longitude and 44°30'52" North Latitude.

II. SUMMARY OF EXISTING CONTAMINATION:

The Wyoming Army National Guard is conducting a groundwater investigation at the Cody armory during the summer of 1997. The monitor wells at this site are being permitted by the WDEQ/WQD/Groundwater Section because groundwater contamination is expected as a result of past use of sumps at the site maintenance shop. According to Armory personnel and Intermountain Labs, Inc, Sheridan, the sumps had been in existence since the early 1960's. The sumps inside the shop have already been removed, backfilled with clean soil, and capped with concrete. PVC pipe carried wastes from the sumps to a french drain outside the shop. Further action includes the removal of the piping and french drain system, excavation of contaminated soils, and installation of monitor wells. The sampling and analyses of groundwater from the monitor wells will determine the nature and extent of groundwater contamination.

III. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

1. Permit to Construct number 97-238 is authorized pursuant to the statements within the permit application and conditions attached to the permit.
2. The WDEQ Solid and Hazardous Waste Division (SHWD) must be contacted for authorization to dispose of the contaminated soil that is to be removed as a result of this investigation. The SHWD representative can be reached in Casper at (307) 473-3452.
3. As stated in the permit application, the groundwater shall be sampled and analyzed in accordance with the following table:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED
All	Quarterly (for first year)	EPA Methods 8260,624, 200 Series	Halocarbons, Purgeable Organics, Cadmium, Chromium, Lead

4. Sampling results shall be submitted to the following address: WDEQ/WQD/Groundwater Section, 1043 Coffeen Ave., Sheridan, WY 82801. The telephone number for the groundwater section in Sheridan is (307) 672-6457.



The State
of Wyoming



Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH 307-777-7758 FAX 777-3610	ABANDONED MINES 307-777-6145 FAX 777-6462	AIR QUALITY 307-777-7391 FAX 777-5616	INDUSTRIAL SITING 307-777-7369 FAX 777-6937	LAND QUALITY 307-777-7756 FAX 777-5864	SOLID & HAZ. WASTE 307-777-7752 FAX 777-5973	WATER QUALITY 307-777-7781 FAX 777-5973
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July 30, 1999

Mr. Frank R. Seifert
Hazardous Waste Manager
Wyoming Army National Guard
5500 Bishop Blvd.
Cheyenne, WY 82009

Re: Site Closure, Army National Guard Armory, Cody, Wyoming

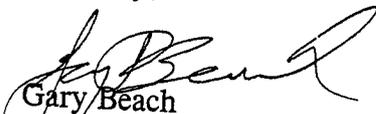
Dear Mr. Seifert:

The Wyoming Department of Environmental Quality (WDEQ), Water Quality Division, Groundwater Pollution Control (GPC) Program has reviewed the groundwater reports for the above mentioned facility. The current analytical data demonstrate that the concentrations of the parameters that were sampled and analyzed from the groundwater at this site do not exceed any of the state's water quality standards. Therefore, the department grants closure status for this site and requires no further sampling and analyses of the groundwater at this time. Site closure is contingent upon the acceptable plugging and abandonment of the monitoring wells. Please refer to the attached review for monitor well abandonment requirements.

This letter does not indemnify the landowner from future environmental liability associated with this site. If the contamination from this site manifests itself at some future date the situation may have to be re-evaluated.

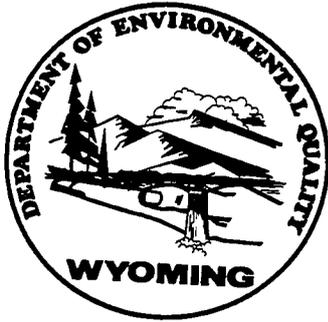
Please contact Don Fischer in the WDEQ Sheridan office at (307) 672-6457 if you have any questions regarding this letter or the attached GPC Review.

Sincerely,


Gary Beach
Administrator
Water Quality Division

GB/WDF/mad 91897.ltr
Attachment

cc: Kevin Frederick, State GPC Supervisor, Cheyenne
Don Fischer, North District Program Principal, Sheridan



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1043 COFFEEN AVENUE, SUITE D
Sheridan, WY 828011

PROJECT: SITE CLOSURE
FACILITY: Cody National Guard Armory
APPLICANT: Wyoming Army National Guard
5500 Bishop Blvd.
Cheyenne, WY 82009
Attn: Mr. Frank R. Seifert, Hazardous Waste Manager
(307) 772-5051

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 97-238

EXISTING NEW AS BUILT

TITLE: Monitor Well Data Wyoming Army National Guard Armory, Cody Wyoming

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: Received April, 1999

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING GEOLOGIST: Don Fischer, North District Groundwater Program Principal

DATE OF THIS REVIEW: July 29, 1999

ACTION: Site closure authorized pursuant to attached conditions

COMMENTS: GROUNDWATER SECTION

I. LOCATION

The Cody Armory is located in the SWSE corner of Section 5, Township 52 North, Range 101 West. The street address is 2926 Duggleby Drive, adjacent to the regional airport. The geographic coordinates are 109°02'15" West Longitude and 44°30'52" North Latitude.

II. SUMMARY OF EXISTING CONTAMINATION:

The Wyoming Army National Guard conducted a groundwater investigation at the Cody armory during the summer of 1997. The monitor wells at this site were permitted by the WDEQ/WQD/Groundwater Section because groundwater contamination was expected as a result of past use of sumps at the site maintenance shop. According to Armory personnel, the sumps had been in existence since the early 1960's. The sumps inside the shop have been removed, backfilled with clean soil, and capped with concrete. The PVC pipe that carried wastes from the sumps to a french drain, the french drain itself, and all contaminated soils have been removed and properly disposed.

Groundwater Investigation

The groundwater samples were analyzed for Total Petroleum Hydrocarbons (gasoline and diesel range), metals, and purgable hydrocarbons by EPA Method 8260. The only constituents that were detected by the 8260 analytical method was 1,1,1 trichloroethane at 1.2 micrograms/liter, which is well below the EPA maximum contaminant level of 5.0 micrograms/liter, and 2-Butanone at 226 micrograms/liter, which is below the Drinking Water Equivalent Level of 1600 micrograms/liter. Analytical data indicate that the metal concentrations in groundwater are below the laboratory detection level.

III. REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

1. The monitor wells shall be plugged and abandoned within 90 days of receipt of this letter. The well abandonment shall be performed in accordance with WDEQ Water Quality Rules and Regulations, Chapter 11, Part G, Section 70. A letter stating the type of plugging and abandonment procedures utilized shall be submitted to the WDEQ/Sheridan office, attention: GPC Supervisor, within 2 weeks of well abandonment. The State Engineer's Office in Cheyenne should also be notified of the abandonment of the monitor wells.

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
(X) Modified

Permit Number UIC 97-239
Reference old permit: 89-379

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: H and M Disposal, Inc.
P.O. Box 610
Newcastle, WY 82701-0610
(307) 746-4821

is authorized to operate the *Cole Creek Unit F41-27G Class I Injection Well* in the NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 27, Township 35 North, Range 77 West, of the 6th Principal Meridian, Converse County; according to the procedures and conditions of applications 88-311 and 89-379 and requirements and other conditions of this permit as contained in pages 1 through 14.

This permit shall become effective on date of issuance.



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

8/21/97
Date



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

8-26-97
Date

A. Discharge Zone

This injection well is authorized to inject into the Dakota Formation through an open hole completion from 8,074 to 8,099 feet below the ground surface. H and M Disposal, Inc. is authorized to deepen this well to include the entire Dakota Formation with the prior approval of the procedure by the Water Quality Division. The authorized discharge zone is therefore the entire Dakota Formation.

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 authorized by this permit is located in:

Township 35 North, Range 77 West, 6th Principal Meridian
Section 35: NE $\frac{1}{4}$ NE $\frac{1}{4}$

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

Township 35 North, Range 77 West, 6th Principal Meridian

Section 22: S $\frac{1}{2}$
Section 23: S $\frac{1}{2}$
Section 26: All
Section 27: All

C. Groundwater Classification

The groundwater in the Dakota Formation is classified as class VI 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 in excess of 10,000 mg/l of Total Dissolved Solids;
- 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;
- c. This formation has been used in the past for the disposal of non-hazardous waste and cannot be expected to provide a source of drinking water;

and

- d. This formation naturally contains traces of oil and gas and cannot be reasonably expected to provide a source of drinking water at this location.

D. Authorized Operations

1. H and M Disposal, Inc. is authorized to inject 6,600 barrels per day, (277,200 gallons per day) of industrial wastes as described:

a. Well workover wastes

This category includes: Water associated with drilling fluids used during the drilling of any oil and gas well or the water supply wells on oil and gas locations; Rig wash water; Well completion, treatment and stimulation fluids; Waste produced during any workover or abandonment of an oil or gas well or test hole; Wastes from subsurface gas storage and retrieval; Liquid hydrocarbons removed from the production stream but not from oil refining; Materials ejected from a producing well during the process known as blowdown;

H and M Disposal, Inc. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Well workover wastes- Authorization# 1997-1**", rather than the name of the company generating the wastes.

b. Water and other tank bottoms

This category includes: Water and other tank bottoms from the storage facilities that hold crude oil, natural gas, gas condensate, or wastes which are exempt under the Oil and Gas Exploration and Production Exemption to RCRA.

At least once every three years, H and M Disposal, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each source of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "**Water and other tank bottoms- Authorization# 1997-2**" rather than the name of the company generating these wastes.

c. Gas plant sweetening and dehydration wastes

This category includes: Gas plant sweetening wastes for sulfur removal including amines, backwash, and any wastes produced by a Bevon Stetford processing plant; Gas plant dehydration wastes, and backwash. To date over 13,072 barrels of glycol containing wastes, 1909 barrels of spent caustics, and 20 barrels of amine containing wastes, have been disposed of in the Horse Creek Federal 1-8.

At least once every three years, H and M Disposal, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each company generating such wastes which are accepted under this provision. These analyses shall be accompanied by a complete description of the waste sampled including the plant name and location, and whether the waste is glycol, amine, or caustic waste. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "**Gas Plant Wastes - Authorization# 1997-3**" rather than the name of the company generating these wastes.

d. Miscellaneous Oilfield Related Wastes

Cooling tower blowdown wastes on gas plant or other exempt sites; Packing fluids; Pigging wastes from in field gathering lines, but not from interstate pipeline systems;

Once every three years, H and M Disposal, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each source of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "**Miscellaneous Oilfield - Authorization# 1997-4**" rather than the name of the company generating these wastes.

e. Regulated Underground and Above Ground Storage Tank Wastes

Wastes generated during the removal or maintenance of Underground or Above Ground Storage Tanks, so long as those tanks are regulated facilities under the Above Ground and Underground Storage Tank Program administered by the Water Quality Division. Under this provision, wastes including water from inside an active tank, water found inside the tank during a removal operation, groundwaters contaminated by gasoline and diesel, and water used in any form of testing operation, may be injected without analyses and without prior approval. H and M Disposal, Inc. shall obtain a written statement from the generator of any such waste stating that the waste is from a storage tank regulated by the Water Quality Division. These statements shall contain the certification statement found in your permit. Please account for all such wastes on your quarterly report under the title "**Regulated Tank Wastes - Authorization# 1997-5**" rather than the name of the company generating these wastes.

f. Oilfield Produced Water

This category includes all waters produced directly with the production of oil and gas and collected in the field where the oil and gas were produced. It does not include tank bottoms, or water accumulated in gas processing plants, refineries, or Intrastate or Interstate Pipe Line facilities.

H and M Disposal, Inc. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Oilfield Produced Water - Authorization# 1997-6**", rather than the name of the company generating the wastes.

g. Sump Wastes

Wastes known as "sump wastes" from floor drains and septic tanks at various sites. This general category includes wastes from sumps in automotive shops, gasoline stations, oilfield service industries, airports, and similar shops which perform mechanical work. This category does not include industrial process wastes from manufacturing operations or wastes from sumps in shops which do not perform mechanical work. These wastes must be characterized fully prior to disposal to insure that they are not hazardous wastes. The Water Quality Division will issue a letter of approval for each new source of waste under this category prior to H and M Disposal, Inc. accepting the first lot of waste. In order to obtain such an approval letter, H and M Disposal, Inc. shall submit a complete written description of the waste, including the name of the company generating the waste, the address or legal description of the location where the waste was produced, a description of the processes that produced the waste, and a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Based on this information, the Water Quality Division may issue an approval letter for the disposal of non-hazardous sump waste for a duration of no more than three years.

In order to renew a previously approved source, once every three years, H and M Disposal, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Please account for all such wastes on your quarterly report under the title "**Miscellaneous Sump Waste - Authorization# 1997-7**" rather than the name of the company generating these wastes.

h. Bevill Amendment Wastes

The Bevill Amendment exempts most wastes generated in the mining industry from regulation under RCRA. Wastes covered by the Bevill Amendment to RCRA are detailed in 40 CFR 261.4(b)(7). This section of 40 CFR 261 sets up two types of mining wastes which are exempt, beneficiation wastes and processing wastes. The two terms are almost interchangeable, except that processing usually refers to a process which produces a final end product, while beneficiation produces an intermediate product which must be further refined to be used. Once every three years, H and M Disposal, Inc. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Please account for all such wastes on your quarterly report under the title "**Bevill Amendment Waste - Authorization# 1997-8**" rather than the name of the company generating these wastes.

i. Water well wastes

This category of fluids includes: Water associated with drilling fluids used during the drilling of any water supply well; Rig wash water; Well completion, treatment and stimulation fluids; Waste produced during any workover or abandonment of a water well or test hole including spent acid from acid fracturing or well acidizing jobs.

H and M Disposal, Inc. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Water well wastes- Authorization# 1997-9**", rather than the name of the company generating the wastes.

j. Miscellaneous Non-hazardous wastes

In addition to the authorizations contained in this permit, H and M Disposal, Inc. may still obtain additional approvals for wastes which do not fit any of the above classifications. Any such waste must be characterized fully in order to insure that this waste is not a hazardous waste. The Water Quality Division will issue a letter of approval for each new source of waste under this category prior to H and M Disposal, Inc. accepting the first lot of waste. In order to obtain such an approval letter, H and M Disposal, Inc. shall submit a complete written description of the waste, including the name of the company generating the waste, the address or legal description of the location where the waste was produced, a description of the processes that produced the waste, a certification that the waste is not a listed hazardous waste, and a comprehensive water analyses for the waste. Since this is a very broad category of wastes, the exact analyses required will be based on the type of processes that generate the waste, and the type of contaminants likely to be present in the waste. Based on this information, the Water Quality Division may issue an approval letter for the disposal of non-hazardous waste for a duration of no more than three years.

In order to renew a previously approved source, once every three years, H and M Disposal, Inc. shall obtain a comprehensive water analyses including all parameters included in the initial approval. Please account for all such wastes on your quarterly report under the title "**Miscellaneous Non-Hazardous Waste - Authorization# 1997-10**" rather than the name of the company generating these wastes.

k. For each type of waste accepted under any of the blanket authorizations contained in this permit, H and M Disposal, Inc. shall require that the company generating these waste provide a full written description of the wastes to support the fact that the wastes are similar to the wastes described in the authorization. H and M Disposal, Inc. shall keep records on site concerning the source of all such wastes. All wastes accepted under any authorization contained in this permit shall be neutralized to a pH of greater than 2.0 and less than 12.5.

2. H and M Disposal, Inc. is authorized to inject at a pressure of no more than 900 psig as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded on a chart recorder.

3. Within the first year of operation, H and M Disposal, Inc. 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 or 900 psig whichever is less. H and M Disposal, Inc. 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, H and M Disposal, Inc. shall limit the injection pressure to 90% of the new fracture pressure as measured on the surface or 900 psig whichever is less.

COMPLIANCE SCHEDULE

H and M Disposal, Inc. was previously required to provide the above step injection test. This requirement has not been met. H and M Disposal, Inc. shall submit the results of the first step injection test no later than June 1, 1998.

4. The wastes injected shall generally be from operations described by the following SIC codes, but are not limited to wastes described by these codes: 013, 029, and 492.

5. H and M Disposal, Inc. may inject other wastes with prior written approval of the Administrator.

6. H and M Disposal, Inc. 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.

E. Hazardous Waste

1. This permit does not allow for the injection of any hazardous waste as defined by Chapter 2, Section 1(c), Wyoming Hazardous Waste Rules and Regulations. 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

1. H and M Disposal, Inc. shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

2. H and M Disposal, Inc. 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.

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

4. H and M Disposal, Inc. 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.
5. 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.
6. Injection into a well may not commence until construction is complete.

G. Entry and Inspection

1. H and M Disposal, Inc. 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

H and M Disposal, Inc. shall furnish any information necessary to establish a monitoring program pursuant to Section 13 of Chapter XIII.

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

1. H and M Disposal, Inc. 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.
2. H and M Disposal, Inc. shall shut the well covered by this permit in annually for a period of time long enough to observe a valid pressure falloff curve. This test shall be considered complete when the pressure curve becomes asymptotic to a straight line on the Miller-Dyes-Hutchinson (MDH) plot. H and M Disposal, Inc. 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.

COMPLIANCE SCHEDULE

H and M Disposal, Inc. was previously required to provide valid pressure falloff curves. This requirement has not been met in past practice. H and M Disposal, Inc. shall submit the results of the first valid pressure falloff curve no later than June 1, 1998 and the results of each successive test no later than June 1 of each succeeding year.

3. H and M Disposal, Inc. 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 or monthly):

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
Quarterly	EPA Method 501.2, 602, or 624	Tetrachloroethene (a.k.a. Perchloroethene - PCE)	.05
	EPA Method 501.2, 602, or 624	Trichloroethene (TCE)	.062
	EPA Method 239.2 or equivalent	Lead	5.0
	EPA Method 213.2 or equivalent	Cadmium	5.0
	EPA Method 218.1 or equivalent	Chromium	5.0
	EPA Method 418.1 or equivalent	Total Petroleum Hydrocarbons	No Limit

*All chemical parameters listed in this permit are expressed in mg/l unless otherwise shown. pH is always expressed in standard units.

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 addition to the two solvents shown above, H and M Disposal, Inc. shall also sample and analyze for the entire list of parameters normally reported on the Method 624 analyses by the laboratory doing the samples. The entire analytical report shall be submitted to WQD along with the next quarterly report.

4. H and M Disposal, Inc. shall monitor continuously the pressure on the casing/tubing annulus and shall maintain a positive pressure on that annulus. This requires that H and M Disposal, Inc. install a continuous chart recorder, or a digital interface electronic recorder. The pressure maintained shall be not less than 200 psig nor more than 800 psig.
5. H and M Disposal, Inc. shall monitor continuously the volume injected. This may be accomplished using a totalizer volume meter and recording manually the readings on a daily basis for each day when the well is in active use. This may also be accomplished by installation of a continuous chart recorder or digital electronic recorder on the injected volume.

J. Test Procedures

1. 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.
2. All required analyses shall be conducted in compliance with Chapter VIII Section 7, Wyoming Water Quality Rules and Regulations.

K. Records and Reports

1. H and M Disposal, Inc. 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.
 2. H and M Disposal, Inc. 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.
 3. 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.
 4. 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 H and M Disposal, Inc. 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.
 5. 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.
- H and M Disposal, Inc. shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion or abandonment of the well covered by this permit.
7. The quarterly report of operations for this well shall include the following information:
 - a. The minimum, average and maximum daily injection rate for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.
 - b. The minimum, average, and maximum daily injection pressure for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
 - c. The total injection volume in gallons for each month of the quarter, the total for the quarter, the total cumulative injected to date all 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.
8. The annual report of operations on this well 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

1. This permit is issued for a period of ten (10) years. If H and M Disposal, Inc. 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.
2. 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.
3. The filing of a request by H and M Disposal, Inc., 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.
4. 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:
 - a. Violation of this permit;
 - b. Obtaining a permit by misrepresentation of facts in the application; or
 - c. Failure of the casing, cement or the confining layer.
5. 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 H and M Disposal, Inc.'s discharge, as may be ordered by the council.

M. Mechanical Integrity

1. 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. Part I of this test was passed May 9, 1997 by holding 900 psi on the casing/tubing annulus for 15 minutes. A similar procedure shall be carried out before the five year anniversary of the preceding test.

Part II of the Mechanical Integrity test shall demonstrate the absence of fluid movement behind the casing. Part II of this test was passed on May 9, 1997 by running a Radioactive Tracer Survey. No leakage behind the casing was identified. A Radioactive Tracer Survey shall be run in conjunction with an injecting and shut-in temperature survey before the five year anniversary of the preceding test.

2. Whenever a situation occurs in which this well has failed to demonstrate both parts of the required Mechanical Integrity test shown on the above schedules, it shall be shut in until the Mechanical Integrity has been restored and the required tests have been passed.
3. In addition to the above, H and M Disposal, Inc. shall also demonstrate the fluid tight condition of all surface or buried flow lines by closing the valves on the well and pressure testing all flow lines to 900 psig for 15 minutes.

N. Abandonment

1. H and M Disposal, Inc. shall notify the administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the director and follow the procedure prescribed by the director for plugging and abandonment or the discontinuance of related activities. The following abandonment procedure shall be followed for the well covered by this permit:
2. A squeeze cementing operation shall be run with the cement retainer set within 200 feet of the top perforations. This cementing operation shall consist of pumping 100 sacks of 50/50 pozmix cement with 2% allowed gel or class G cement with .4% fluid loss additive. After stinging out of the retainer an additional 400 sacks of class G cement with retarder added shall be emplaced in the casing as the tubing is withdrawn. The remainder of the hole shall be filled with water. Following this operation, the top 500 feet of the hole shall be filled with cement as above and a standard dry hole marker shall be installed on the surface and welded or bolted to the long string.
3. 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.
4. Within thirty (30) days after plugging and abandonment of the well covered by this permit, H and M Disposal, Inc. 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

1. H and M Disposal, Inc. 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.

2. H and M Disposal, Inc. 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.
3. 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.
4. H and M Disposal, Inc. 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.
5. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

P. Financial Responsibility

H and M Disposal, Inc. 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: First National Bank of Gillette, Certificate of Deposit No. 7166 in the amount of \$25,000 in lieu of a surety bond. This Certificate of Deposit will be held until released pursuant to W.S. 35-11-306(p) or forfeited pursuant to W.S. 35-11-306(m).

H and M Disposal, Inc. 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

1. 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).
2. H and M Disposal, Inc. shall identify the facility 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. The wellhead itself shall be identified with a sign and the injection plant shall also have a sign on the door with the same information.
3. Inside the injection plant H and M Disposal, Inc. shall affix a sign which states the maximum injection pressures and volumes 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.
4. All signs required shall be constructed of standard sign gauge material in either steel, aluminum or fiberglass with letters a minimum of 1 inch high.
5. H and M Disposal, Inc. shall maintain control of the site in the form of fences, locks, and other controls to insure that unauthorized disposal does not occur.

R. Signatories Requirement

1. 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

1. H and M Disposal, Inc. 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 H and M Disposal, Inc. becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit non-compliance constitutes a violation of this permit.
2. The filing of any request by H and M Disposal, Inc. 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

1. 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 non compliance issues into compliance with this permit.
2. H and M Disposal, Inc. 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

1. 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

1. Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve H and M Disposal, Inc. from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.
2. 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/ks 72266.ltr

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
(X) Modified

Permit Number: UIC 97-240
Reference old permit: 93-294

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: Wyoming Waste Water Disposal, LLC
2620 South Parker Road, Suite 149
Aurora, Colorado 80014
(303) 745-1099

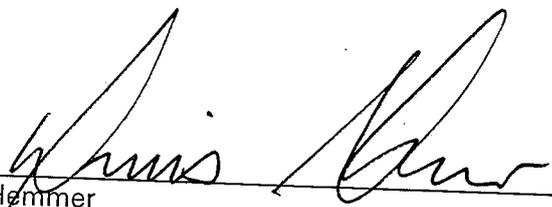
is authorized to operate the **Kenneth Deselms #1, Class I Injection Well** in the SE ¼ SE ¼, Section 18, Township 16 North, Range 62 West, of the 6th Principal Meridian, Laramie County; according to the procedures and conditions of application 93-294 and requirements and other conditions of this permit as contained in pages 1 through 14.

This permit shall become effective on date of issuance.



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

8/21/97
Date



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

8-26-97
Date

A. Discharge Zone

This injection well is authorized to inject into the Sussex Formation which is found in the well bore from 4,350 feet to 4,450 feet below the ground surface. Additional perforations may be installed within the above named interval of the authorized formation with the prior approval of the Water Quality Division. The initial perforations in this well are from 4,410 to 4,450 feet below the ground surface.

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 authorized by this permit is/are located in:

Township 16 North, Range 62 West, 6th Principal Meridian
Section 18: SE $\frac{1}{4}$ SE $\frac{1}{4}$

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

Township 16 North, Range 62 West, 6th Principal Meridian
Section 17: SW $\frac{1}{4}$, W1/2SE $\frac{1}{4}$
Section 18: SE $\frac{1}{4}$, S1/2NE $\frac{1}{4}$, E1/2SW $\frac{1}{4}$
Section 19: NE $\frac{1}{4}$, E1/2NW $\frac{1}{4}$
Section 20: NW $\frac{1}{4}$, W1/2NE $\frac{1}{4}$; N1/2SW $\frac{1}{4}$

C. Groundwater Classification

The groundwater in the Sussex 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 at such a depth that recovery of this water and treatment for drinking water purposes is not practical;
and
3. This formation has been used in the past for the disposal of non-hazardous (oil field) waste and cannot be expected to provide a source of drinking water;
and
4. This formation naturally contains traces of oil and gas and cannot be reasonable expected to provide a source of drinking water at this location.

D. Authorized Operations

Wyoming Waste Water Disposal, LLC. is authorized to inject 1,200 barrels per day, (50,400 gallons per day) of industrial wastes as described:

a. Well workover wastes

This category includes: Water associated with drilling fluids used during the drilling of any oil and gas well or the water supply wells on oil and gas locations; Rig wash water; Well completion, treatment and stimulation fluids; Waste produced during any workover or abandonment of and oil or gas well or test hole; Wastes from subsurface gas storage and retrieval; Liquid hydrocarbons removed from the production stream but not from oil refining; Materials ejected from a producing well during the process known as blowdown;

Wyoming Waste Water Disposal, LLC. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Well workover wastes- Authorization# 1997-1**", rather than the name of the company generating the wastes.

b. Water and other tank bottoms

This category includes: Water and other tank bottoms from the storage facilities that hold crude oil, natural gas, gas condensate, or wastes which are exempt under the Oil and Gas Exploration and Production Exemption to RCRA.

At least once every three years, Wyoming Waste Water Disposal, LLC. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each source of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "**Water and other tank bottoms- Authorization# 1997-2**" rather than the name of the company generating these wastes.

c. Gas plant sweetening and dehydration wastes

This category includes: Gas plant sweetening wastes for sulfur removal including amines, backwash, and any wastes produced by a Bevon Stetford processing plant; Gas plant dehydration wastes, and backwash. To date over 13,072 barrels of glycol containing wastes, 1909 barrels of spent caustics, and 20 barrels of amine containing wastes, have been disposed of in the Horse Creek Federal 1-8.

At least once every three years, Wyoming Waste Water Disposal, LLC. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each company generating such wastes which are accepted under this provision. These analyses shall be accompanied by a complete description of the waste sampled including the plant name and location, and whether the waste is glycol, amine, or caustic waste. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "**Gas Plant Wastes - Authorization# 1997-3**" rather than the name of the company generating these wastes.

d. Miscellaneous Oilfield Related Wastes

Cooling tower blowdown wastes on gas plant or other exempt sites; Packing fluids; Pigging wastes from in field gathering lines, but not from interstate pipeline systems;

Once every three years, Wyoming Waste Water Disposal, LLC. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations, for each source of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly report under the title "Miscellaneous Oilfield - Authorization# 1997-4" rather than the name of the company generating these wastes.

e. Regulated Underground and Above Ground Storage Tank Wastes

Wastes generated during the removal or maintenance of Underground or Above Ground Storage Tanks, so long as those tanks are regulated facilities under the Above Ground and Underground Storage Tank Program administered by the Water Quality Division. Under this provision, wastes including water from inside an active tank, water found inside the tank during a removal operation, groundwaters contaminated by gasoline and diesel, and water used in any form of testing operation, may be injected without analyses and without prior approval. Wyoming Waste Water Disposal, LLC. shall obtain a written statement from the generator of any such waste stating that the waste is from a storage tank regulated by the Water Quality Division. These statements shall contain the certification statement found in your permit. Please account for all such wastes on your quarterly report under the title "Regulated Tank Wastes - Authorization# 1997-5" rather than the name of the company generating these wastes.

f. Oilfield Produced Water

This category includes all waters produced directly with the production of oil and gas and collected in the field where the oil and gas were produced. It does not include tank bottoms, or water accumulated in gas processing plants, refineries, or Intrastate or Interstate Pipe Line facilities.

Wyoming Waste Water Disposal, LLC. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "Oilfield Produced Water- Authorization# 1997-6", rather than the name of the company generating the wastes.

g. Sump Wastes

Wastes known as "sump wastes" from floor drains and septic tanks at various sites. This general category includes wastes from sumps in automotive shops, gasoline stations, oilfield service industries, airports, and similar shops which perform mechanical work. This category does not include industrial process wastes from manufacturing operations or wastes from sumps in shops which do not perform mechanical work. These wastes must be characterized fully prior to disposal to insure that they are not hazardous wastes. The Water Quality Division will issue a letter of approval for each new source of waste under this category prior to Wyoming Waste Water Disposal, LLC. accepting the first lot of waste. In order to obtain such an approval letter, Wyoming Waste Water Disposal, LLC. shall submit a complete written description of the waste, including the name of the company generating the waste, the address or legal description of the location where the waste was produced, a description of the processes that produced the waste, and a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Based on this information, the Water Quality Division may issue an approval letter for the disposal of non-hazardous sump waste for a duration of no more than three years.

In order to renew a previously approved source, once every three years, Wyoming Waste Water Disposal, LLC. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Please account for all such wastes on your quarterly report under the title "**Miscellaneous Sump Waste - Authorization# 1997-7**" rather than the name of the company generating these wastes.

h. Bevill Amendment Wastes

The Bevill Amendment exempts most wastes generated in the mining industry from regulation under RCRA. Wastes covered by the Bevill Amendment to RCRA are detailed in 40 CFR 261.4(b)(7). This section of 40 CFR 261 sets up two types of mining wastes which are exempt, beneficiation wastes and processing wastes. The two terms are almost interchangeable, except that processing usually refers to a process which produces a final end product, while beneficiation produces an intermediate product which must be further refined to be used. Once every three years, Wyoming Waste Water Disposal, LLC. shall obtain a comprehensive water analyses including all parameters except PCB's found in Appendix A, Chapter XIII, Water Quality Division Rules and Regulations. Please account for all such wastes on your quarterly report under the title "**Bevill Amendment Waste - Authorization# 1997-8**" rather than the name of the company generating these wastes.

i. Water well wastes

This category of fluids includes: Water associated with drilling fluids used during the drilling of any water supply well; Rig wash water; Well completion, treatment and stimulation fluids; Waste produced during any workover or abandonment of a water well or test hole including spent acid from acid fracturing or well acidizing jobs.

Wyoming Waste Water Disposal, LLC. shall obtain an API standard water analyses for each lot of waste accepted under this provision. No additional prior approval is required in order to accept these wastes. Please account for all such wastes on your quarterly reports under the heading "**Water well wastes- Authorization# 1997-9**", rather than the name of the company generating the wastes.

j. Miscellaneous Non-hazardous wastes

In addition to the authorizations contained in this permit, Wyoming Waste Water Disposal, LLC. may still obtain additional approvals for wastes which do not fit any of the above classifications. Any such waste must be characterized fully in order to insure that this waste is not a hazardous waste. The Water Quality Division will issue a letter of approval for each new source of waste under this category prior to Wyoming Waste Water Disposal, LLC. accepting the first lot of waste. In order to obtain such an approval letter, Wyoming Waste Water Disposal, LLC. shall submit a complete written description of the waste, including the name of the company generating the waste, the address or legal description of the location where the waste was produced, a description of the processes that produced the waste, a certification that the waste is not a listed hazardous waste, and a comprehensive water analyses for the waste. Since this is a very broad category of wastes, the exact analyses required will be based on the type of processes that generate the waste, and the type of contaminants likely to be present in the waste. Based on this information, the Water Quality Division may issue an approval letter for the disposal of non-hazardous waste for a duration of no more than three years.

In order to renew a previously approved source, once every three years, Wyoming Waste Water Disposal, LLC. shall obtain a comprehensive water analyses including all parameters included in the initial approval. Please account for all such wastes on your quarterly report under the title "**Miscellaneous Non-Hazardous Waste - Authorization# 1997-10**" rather than the name of the company generating these wastes.

k. For each type of waste accepted under any of the blanket authorizations contained in this permit, Wyoming Waste Water Disposal, LLC. shall require that the company generating these waste provide a full written description of the wastes to support the fact that the wastes are similar to the wastes described in the authorization. Wyoming Waste Water Disposal, LLC. shall keep records on site concerning the source of all such wastes. All wastes accepted under any authorization contained in this permit shall be neutralized to a pH of greater than 2.0 and less than 12.5.

2. Wyoming Waste Water Disposal, LLC. is authorized to inject at a pressure of no more than 1,125 psig as measured at the wellhead.
3. Within the first year of operation, Wyoming Waste Water Disposal, LLC. conducted 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 was limited to 90% of the fracture pressure as measured at the surface. Wyoming Waste Water Disposal, LLC. 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, Wyoming Waste Water Disposal, LLC. shall limit the injection pressure to 90% of the new fracture pressure as measured on the surface.
4. The wastes injected shall be from operations described by the following SIC codes: 13, 37, 35 and 02 and others. This permit is not limited to these specific industrial waste codes. Additional waste streams may be from other specific industrial waste categories.

E. Hazardous Waste

1. This permit does not allow for the injection of any hazardous waste as defined by Chapter 2, Section 1(c), Wyoming Hazardous Waste Rules and Regulations. 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

1. Wyoming Waste Water Disposal, LLC. shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.
2. Wyoming Waste Water Disposal, LLC. 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.
3. The injection well covered by this permit shall meet all construction requirements outlined in Chapter XIII, Section 11 of the Wyoming Water Quality Rules and Regulations.
4. Wyoming Waste Water Disposal, LLC. 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.

5. 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.
5. Injection into a well may not commence until construction is complete.

G. Entry and Inspection

1. Wyoming Waste Water Disposal, LLC. 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

1. Wyoming Waste Water Disposal, LLC. shall furnish any information necessary to establish a monitoring program pursuant to Section 13 of Chapter XIII.
2. 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. Wyoming Waste Water Disposal, LLC. is required to provide detailed information concerning the quality of the groundwater in the vicinity of this injection well as follows:

WELL NAME NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
Farven #2 Stock Well	Annual	EPA Method 215.1 or equivalent	Calcium	200
		EPA Method 242.1 or equivalent	Magnesium	100
		EPA Method 273.1 or equivalent	Sodium	550
		EPA Method 325.2 or equivalent	Chloride	1,250
		EPA Method 160.1 or equivalent	Total Dissolved Solids	2,000
		EPA Method 418.1 or equivalent	Total Petroleum Hydrocarbons	10

*All chemical parameters listed in this permit are expressed in mg/l unless otherwise shown. pH is always expressed in standard units.

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. Corrective action shall include, at a minimum analyses for other indicator parameters from the waste stream analyses.

I. Requirements for Monitoring the Discharge

1. Wyoming Waste Water Disposal, LLC. 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.
2. Wyoming Waste Water Disposal, LLC. shall shut the well covered by this permit in annually for a period of time long enough to observe a valid pressure falloff curve. This test shall be considered complete when the pressure curve becomes asymptotic to a straight line on the Miller-Dyes-Hutchinson (MDH) plot. Wyoming Waste Water Disposal, LLC. 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. Prior to injection of any waste into any new well drilled or converted under this permit, Wyoming Waste Water Disposal, LLC. shall record the static reservoir pressure for the receiver.
3. Wyoming Waste Water Disposal, LLC. shall monitor the quality of the injected water on an approved schedule. The following parameters shall be analyzed by the listed methods and report quarterly:

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT OR (UCL)*
Quarterly	EPA Method 501.2, 602, or 624	Tetrachloroethene (a.k.a. Perchloroethene - PCE)	.05
	EPA Method 501.2, 602, or 624	Trichloroethene (TCE)	.062
	EPA Method 239.2 or equivalent	Lead	5.0
Quarterly	EPA Method 213.2 or equivalent	Cadmium	5.0
	EPA Method 218.1 or equivalent	Chromium	5.0
	EPA Method 418.1 or equivalent	Total Petroleum Hydrocarbons	No Limit

*All chemical parameters listed in this permit are expressed in mg/l unless otherwise shown. pH is always expressed in standard units.

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 addition to the two solvents shown above, Wyoming Waste Water Disposal, LLC. shall also sample and analyze for the entire list of parameters normally reported on the Method 624 analyses by the laboratory doing the samples. The entire analytical report shall be submitted to WQD along with the next quarterly report.

4. Wyoming Waste Water Disposal, LLC. shall monitor continuously the pressure on the casing/tubing annulus and shall maintain a positive pressure on that annulus. This requires that Wyoming Waste Water Disposal, LLC. install a continuous chart recorder, or a digital interface electronic recorder. The pressure maintained shall be not less than 200 psig nor more than 800 psig.
5. Wyoming Waste Water Disposal, LLC. shall monitor continuously the volume injected. This may be accomplished using a totalizer volume meter and recording manually the readings on a daily basis for each day when the well is in active use. This may also be accomplished by installation of a continuous chart recorder or digital electronic recorder on the injected volume.

J. Test Procedures

1. 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.
2. All required analyses shall be conducted in compliance with Chapter VIII Section 7, Wyoming Water Quality Rules and Regulations.

K. Records and Reports

1. Wyoming Waste Water Disposal, LLC. 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.
2. Wyoming Waste Water Disposal, LLC. 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.
3. 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.
4. 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 Wyoming Waste Water Disposal, LLC. 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.
5. 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.
6. Wyoming Waste Water Disposal, LLC. shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion or abandonment of the well covered by this permit.
7. The quarterly report of operations for this well shall include the following information:

- a. The minimum, average and maximum daily injection rate for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.
 - b. The minimum, average, and maximum daily injection pressure for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
 - c. The total injection volume in gallons for each month of the quarter, the total for the quarter, the total cumulative injected to date.
 - d. The maximum and minimum annulus pressure for each month of the quarter.
 - e. Any permit 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.
8. The annual report of operations on this well 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

1. This permit is issued for a period of ten (10) years. If Wyoming Waste Water Disposal, LLC. 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.
2. 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. --
3. 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.

4. 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:
 - a. Violation of this permit;
 - b. Obtaining a permit by misrepresentation of facts in the application; or
 - c. Failure of the casing, cement or the confining layer.
5. 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. Both parts of the Mechanical Integrity Test shall be re-done prior to the fifth anniversary of the previous tests. 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. This test shall consist of a pressure test of the annulus to a pressure of 1,000 psig. A successful test shall be one which holds 1,000 psig for 15 minutes with no more than 25 psig of pressure loss. The Kenneth DeSelms #1 passed Part I of the Mechanical Integrity Test on March 29, 1994.

Part II of the Mechanical Integrity test shall demonstrate the absence of fluid movement behind the casing. The approved method of demonstrating the absence of fluid movement behind the casing is to run a Radioactive Tracer Survey (RATS) and a Temperature Log. The RATS test shall include a check of the fluid movement around the packer, above the top perforation and below the bottom perforation. The temperature survey shall be a shut-in survey after 24 hours. The Kenneth DeSelms #1 passed Part II of the Mechanical Integrity Test on March 29, 1994.

2. In the event that this well fails to demonstrate Mechanical Integrity at any time, it shall be shut in until the Mechanical Integrity has been restored and the required tests have been passed.

N. Abandonment

1. Wyoming Waste Water Disposal, LLC. shall notify the administrator at such times as the permit requires before conversion or abandonment of the well.
2. Within thirty (30) days after plugging and abandonment of the well covered by this permit, Wyoming Waste Water Disposal, LLC. 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

1. Wyoming Waste Water Disposal, LLC. 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.
2. Wyoming Waste Water Disposal, LLC. 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.
3. 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.
4. Wyoming Waste Water Disposal, LLC. 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.
5. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

P. Financial Responsibility

Wyoming Waste Water Disposal, LLC. 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:

Certificate of Deposit number 5909632 issued by the Farmers State Bank of Pine Bluffs, Wyoming in the amount of \$25,000.00

Wyoming Waste Water Disposal, LLC. 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

1. 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).
2. Wyoming Waste Water Disposal, LLC. shall identify the facility 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. The wellhead itself shall be identified with a sign and the injection plant shall also have a sign on the door with the same information.

3. Inside the injection plant Wyoming Waste Water Disposal, LLC. shall affix a sign which states the maximum injection pressures and volumes 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.
4. All signs required shall be constructed of standard sign gauge material in either steel, aluminum or fiberglass with letters a minimum of 1 inch high.
5. Wyoming Waste Water Disposal, LLC. shall maintain control of the site in the form of fences, locks, and other controls to insure that unauthorized disposal does not occur.

R. Signatories Requirement

1. 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

1. Wyoming Waste Water Disposal, LLC. 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. Confirmed 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 Wyoming Waste Water Disposal, LLC. becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit non-compliance constitutes a violation of this permit.
2. The filing of any request by Wyoming Waste Water Disposal, LLC. 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

1. 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 non compliance issues into compliance with this permit.
2. Wyoming Waste Water Disposal, LLC. 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

1. 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

1. Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve Wyoming Waste Water Disposal, LLC. from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.
2. 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.

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-241
SPECIAL CONDITIONS

Eagle Vista Residential Septic System

This permit hereby authorizes the applicant:

Robert P. and Teresa J. Logan
P.O. Box 142
Sinclair, Wyoming 82334

to construct and install a residential septic system with leach field bed according to the procedures and conditions of the application number 97-241. The facility is located in the NW 1/4 of Section 13, T21N, R88W 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, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits, or orders.

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 Engineering 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.

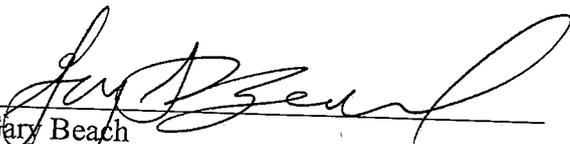
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 6. The applicant will notify the DEQ/WQD Southeast District Office 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 DEQ/WQD 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 DEQ/WQD 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. Minimum Leach Field Bed Size - The finished leach field bed shall be at least 30 feet by 35 feet.

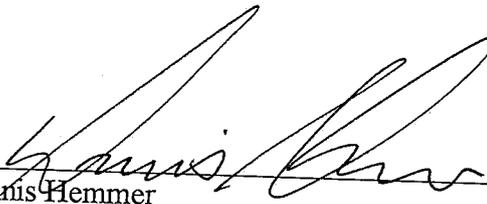
PERMIT NO. 97-241

- 5 of 6. Septic Tank Risers - On Vaughn Concrete Products septic tanks, the manway must be extended to the ground surface when clean-out risers are not provided.
- 6 of 6. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

9-12-97

Date of Issuance

RLE:ks
72776.ltr

cc: Carbon County Planner/Sanitarian

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-241
- 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 III¹. (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.

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 September 8, 1997. 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."

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



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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September 8, 1997

Teresa J. Logan
P.O. Box 142
Sinclair, Wyoming 82334

RE: Permit Reporting Requirements for Permit Number - 97-241

Dear Ms. Logan:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE:ks 72775.ltr

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-242
SPECIAL CONDITIONS
REF/PERMIT NO.

WHEATLAND EARLY CHILDHOOD CENTER Water and Sewer Extensions

This permit hereby authorizes the applicant:

WYO CHILD & FAMILY/C BURDEN
P O BOX 100
GUERNSEY, WY, 82214

to construct, install or modify a water and sewer line extensions according to the procedures and conditions of the application number 97-242. The facility is located in NW 1/4 Section 12 T24N R68W in the county of Platte, 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: Southeast District, 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.

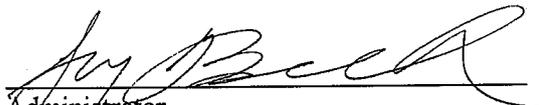
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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.

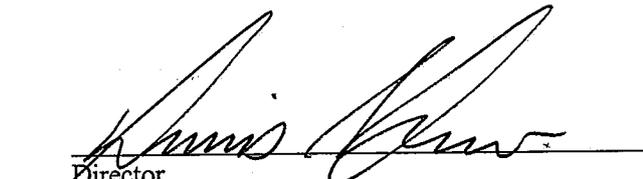
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 6 The applicant will notify the DEQ/WQD Southeast District Office 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 DEQ/WQD 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 DEQ/WQD 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 two air relief valves will be replaced by a fire hydrant at one of the 10X8 tees shown at Stations 8+46 and 12+06. The 10" water line will be graded so that tee is the high point of the line. The fire hydrant and valve will be installed in accordance with Wyoming Public Works Standard Specifications.
- 5 of 6 A 10" gate valve will be installed between the two 10X8 tees.
- 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

7-15-97
Date of Issuance

LBH:ks 72286.ltr

cc: Town of Wheatland

STATEMENT OF BASIS

General information.

A. Permit Number: 97-242

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.

NO

B. Briefly state the basis for the deviation.

NO

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 III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NO

- VII. Documentation of Statement of Basis.

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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on July 11, 1997. 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."

¹Sediment 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. 97-243
SPECIAL CONDITIONS
REF/PERMIT #84-547R

Lawrence Brown Disposal Lagoon

This permit hereby authorizes the applicant:

Waste, Inc.
P.O. Box 133
Evanston, WY 82931

to construct an evaporation basin according to the procedures and conditions of application number 97-243. The facility is located in NW 1/4 S7 T17N R120W in the county of Uinta, 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 (WQD), 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: SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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 7 The applicant will notify the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 7 The applicant will provide immediate oral and/or written notice to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 7 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 7 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 7 DEQ/WQD personnel are to be allowed access to the facility for inspections.
- 6 of 7 Closure of the permitted facility requires prior notice and approval of a closure plan by the DEQ/WQD Southwest District.
- 7 of 7 The validity of this permit is dependent upon a closure and reclamation bond in the amount of \$9,200 being secured with the Department of Environmental Quality in accordance with Chapter XIV of the Wyoming Water Quality Rules and Regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

7-15-97
Date of Issuance

RRT:ks 72158.ltr

STATEMENT OF BASIS

General information.

Permit Number: 97-243

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit.

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.

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

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:

Lined basin with a leak detection system.

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

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.

Leak detection ports will be checked weekly for the first month and monthly thereafter with a log kept of the results.

VII. Documentation of Statement of Basis.

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 Randall Taylor, SW District Supervisor, and completed on 02 July 1997. 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 777-5616	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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July 14, 1997

First National Bank In Evanston
1001 Main Street
P.O. Box 6003
Evanston, WY 82931-6003

RE: Certificate of Deposit No. 101227, Permit No. 97-243

Ladies and Gentlemen:

The First National Bank in Evanston issued the above certificate of deposit to the Wyoming Department of Environmental Quality - Water Quality Division - WPC Program on July 7, 1997. This is meant to serve as a commercial oil field waste disposal closure, post-closure inspection and maintenance, and environmental monitoring and control performance bond for the above referenced facility.

The Department of Environmental Quality, Water Quality Division accepted this certificate of deposit in lieu of a surety bond. In the event the operator fails or abandons the affected property, the State of Wyoming must depend upon this certificate of deposit to cover the cost of reclamation. Therefore, it is of utmost importance that the State of Wyoming should be secure in its acceptance of this certificate of deposit. During the life of this deposit, Weston R. Barker, Waste Inc., as operator, will have the beneficial interest until such time that the Wyoming Environmental Quality Council declares a forfeiture of the bond, in which event, the department would be authorized to cash the certificate of deposit.

To avoid any future misunderstanding with you about this matter, please be advised that the acceptance of this certificate of deposit, as a reclamation performance bond, was based upon the following representations and conditions:

- a. The certificate of deposit shall be Automatically Renewable.
- b. The certificate of deposit shall be payable solely to the Wyoming Department of Environmental Quality, Water Quality Division, WPC Program.
- c. The deposits at the First National Bank in Evanston are protected by federal insurance up to \$100,000.00 for each depositor.
- d. No other person, including the purchaser, is authorized as payee without the express written endorsement by the Director of the Department of Environmental Quality. Sole legal ownership and control of this certificate by the Department of Environmental Quality, Water Quality Division, shall

be reflected on the books of the bank. Any signature card on file may be signed only by the Director of the Department of Environmental Quality. Representatives of Waste Inc. may not sign any instrument which authorizes them to make withdrawals or request payment without the written endorsement by the State of Wyoming.

- e. Any interest accruing is payable to the purchaser. Interest and IRS statements should be mailed to the purchaser's address.
- f. The certificate of deposit will be held by the Wyoming State Treasurer.
- g. The Administrator hereby requires the First National Bank to waive all right of set off or liens against Certificate of Deposit No. 101227.

Please sign this letter below and return it to us to acknowledge your receipt and understanding of the conditions of this certificate of deposit. With your acknowledgment, we will consider our requirements as consistent with your understanding of this certificate of deposit as reflected by your books.

Thank you for your attention to this matter. If you have any questions, please contact Pat Jordan of this office at 307-777-7684.

Sincerely,



Larry Robinson
Program Manager
Water Quality Division

Agree: _____
Name & Title

Date: _____

LR/pjb
72301.ltr

xc: Randy Taylor, WQD, Lander
Pat Jordan, WQD Bonding Analyst
Waste Inc.
Permit File No. 97-243



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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July 14, 1997

Weston R. Barker
Waste Inc.
P.O. Box 133
Evanston, WY 82931

RE: WPC Permit No. 97-243

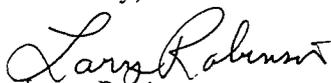
Dear Mr. Barker:

Enclosed is the above subject permit to construct an evaporation basin at your existing commercial oil field disposal facility. Also enclosed is Receipt No. 6361 which constitutes acknowledgment of receipt by the Water Quality Division of the First National Bank in Evanston Certificate of Deposit No. 101227 in the amount of ninety-two hundred dollars (\$ 9200.00). The Certificate of Deposit is accepted in lieu of a surety bond pursuant to W.S. 35-11-306(h). Like a surety bond, its purpose shall be to assure that you faithfully perform all requirements of the Environmental Quality Act and the Rules and Regulations relating thereto.

The certificate of deposit will be held until released pursuant to W.S. 35-11-306(p) or forfeited pursuant to W.S. 35-11-306(m). Please be advised that, as a condition of acceptance, the State of Wyoming becomes the owner with full control over the Certificate. However, all interest earned is payable to the purchaser.

Should you have any questions, please feel free to contact Pat Jordan at 307-777-7684.

Sincerely,


Larry Robinson
Program Manager
Water Quality Division

LR/pjb 72300.ltr

Enclosure

xc: Randy Taylor, District Engineer, lander
Pat Jordan, DEQ, Cheyenne
Permit File No. 97-243

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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July 24, 1997

Keyhole Land Company
Attn. R.J. Brockman, President
P.O. Box 155
Wheatland, Wyoming 82201

RE: Permit Reporting Requirements for Permit Number - 97-244

Dear Mr. Brockman:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE:ks 72393.ltr

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. 97-244
SPECIAL CONDITIONS

Keyhole Land Company - Farm near Wheatland

This permit hereby authorizes the applicant:

Keyhole Land Company
Attn. R.J. Brockman, President
P.O. Box 155
Wheatland, Wyoming 82201

to construct and install a septic system with leach field according to the procedures and conditions of the application number 97-244. The facility is located in the SE 1/4 of Section 18, T24N, R67W 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 Engineering 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 DEQ/WQD Southeast District Office 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 DEQ/WQD 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 the DEQ/WQD 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. **Septic Tank Riser Required** - On Windmeier septic tanks either a 6 inch clean-out or the manway must be extended to the ground surface.

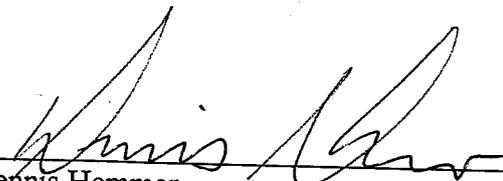
PERMIT NO. 97-244

5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-25-97

Date of Issuance

RLE:ks
72394.ltr

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 97-244
- 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 III¹. (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.

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 24, 1997. 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."

¹Sediment 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. 97-246
SPECIAL CONDITIONS

Lyman (Foreman Springs Renovation)

This permit hereby authorizes the applicant:

Town of Lyman
P.O. Box 300
Lyman, WY 82937

to construct spring development improvements according to the procedures and conditions of application number 97-246R. The facility is located in NW1/4 S20 T15N R115W in the county of Uinta, 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 (WQD), 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: SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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 SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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
Gary Beach



Director
Department of Environmental Quality
Dennis Hemmer

7-24-97

Date of Issuance

RRT/mad 72335.LTR

STATEMENT OF BASIS

General information.

Permit Number: 97-246R

II. Application reviewed for compliance with the following regulations.

- A. Chapter XI. No
- B. Chapter XII. Yes

III. Basis for issuing permit.

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.

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

Not Applicable

VI. Documentation of Statement of Basis.

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

¹Sediment 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. District Supervisor, and completed on 16 July 1997. 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

X
New
Renewal
Modified

PERMIT NO. 97-247
SPECIAL CONDITIONS

Hanser Septic Tank and Leach Field

This permit hereby authorizes the applicant:

Mike and Jan Hanser
616 9th Avenue North
Greybull, WY 82426

to construct a septic tank and leach field for a 3 bedroom mobile home according to the procedures and conditions of application number 97-247. The facility is located in Lot 38C in the SE ¼ of the NE ½ of Section 2, 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 (WQD), 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: Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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.

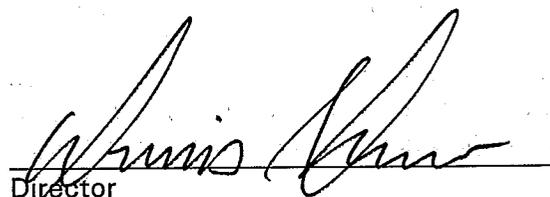
This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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 Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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 Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; 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 Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; 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

7-24-97
Date of Issuance

JCH/mad 72337.LTR

STATEMENT OF BASIS

General information.

Permit Number: 97-247

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit.

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.

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

Not applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹.

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.

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 Robin J. Coffey, Senior Environmental Analyst, and completed on July 16, 1997. 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."

¹Sediment 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. 97-248
SPECIAL CONDITIONS

Jeannerett Residential Septic System: Lot 4 Cottonwood Bluff Subdivision, Baggs

This permit hereby authorizes the applicant:

Richard H. Jeannerett
P.O. Box 101
Baggs, Wyoming 82321

to construct and install a residential septic system with leach field according to the procedures and conditions of the application number 97-248. The facility is located in the SW 1/4 of Section 08, T12N, R91W 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 Engineering 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:

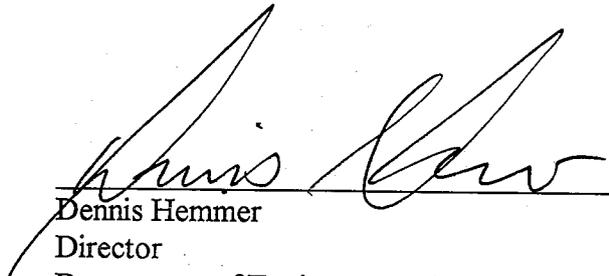
- 1 of 5. The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5. The applicant will provide immediate oral and/or written notice to the DEQ/WQD Southeast District Office in accordance with 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 the DEQ/WQD 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. **Septic Tank Riser Requirement** - The manway on Vaughn Concrete Products septic tanks must be extended to the ground surface when clean-out risers are not provided.

5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

7-29-97

Date of Issuance

RLE/bb/72416.ltr

cc: Carbon County Planner/Sanitarian

STATEMENT OF BASIS

General information.

- A. Permit Number: 97-248
- 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 III¹. (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.

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 28, 1997. 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/72416.ltr

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

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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July 28, 1997

Mr. Richard H. Jeannerett
P.O. Box 101
Baggs, Wyoming 82321

RE: Permit Reporting Requirements for Permit Number - 97-248

Dear Mr. Jeannerett:

Included with this letter you will find your approved "Permit to Construct". This permit includes conditions which require you, the recipient of the permit, to submit follow-up information and/or reports concerning the implementation of this permit. **Standard reporting requirements** include the following:

1. Estimated Construction Schedule Post Card (Condition 1)
2. Notify the WQD of any changes (Condition 2)
3. Submission of CERTIFICATION OF COMPLETION form within 60 days of completion of the project, along with as-constructed plans if changes were made in accordance with condition 2 of the permit (Condition 3)

Please read the permit conditions carefully and follow through as required. Finally, bear in mind that the submittal of these items are requirements of the permit and must be adhered to and properly completed in order for you to be in compliance with the terms and conditions of your permit.

If you have any questions regarding these matters, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Senior Analyst
SE District, Water Quality Division

RLE/bb/72415.ltr

Enclosure: Permit Referenced Above

PERMIT TO CONSTRUCT

New
Renewal
X Modified

PERMIT NO. 97-249
SPECIAL CONDITIONS
REF/PERMIT # UIC 97-144

FLYING X RANCH WATER SYSTEM IMPROVEMENTS

This permit hereby authorizes the applicant:

Flying "X" Ranch
799 Halleck Canyon Road
Wheatland, Wyoming 82201

to construct, install or modify a public water system according to the procedures and conditions of the application number 97-249. The facility is located in Section 21, SW¼, T22N, R71W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: UIC Program Supervisor, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7095.

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

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

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

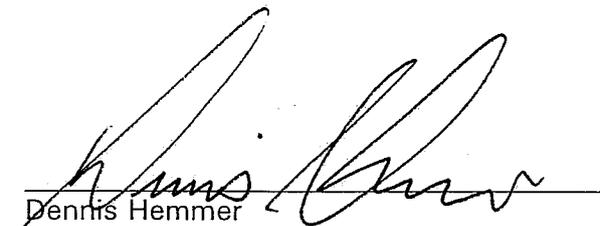
- 1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to the UIC Program Supervisor 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 UIC Program Supervisor 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:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

1-28-99

Date of Issuance

RFL/bb/90250.ltr

cc: Larry Gallagher, States West Water Resources, 1904 East 15th Street, Cheyenne, WY 82001

STATEMENT OF BASIS

I. General information.

A. Permit Number: 97-249

B. Facilities Covered: The Flying X Ranch Campground Water System Improvements. Processing of this permit was originally as a part of permit UIC 97-144rr which covers a large septic system addition. At the request of the applicant, this permit was separated out to allow the installation of the water system improvements while the public notice period on the UIC permit was still in effect. This permit covers the addition of two cisterns to the public water supply, provision for metering of the public water supply and provision for disinfection of the public water supply.

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

A. Chapter VIII No

B. Chapter IX No

C. Chapter XI. No

D. 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 with the following exceptions: The Public Water Supply was previously permitted without the provisions of Chapter XI Section 59(d)(i), (ii) and (iv), or Chapter XII, Section 8(a) or Section 8(d)(iii) being addressed. These sections deal with source water capacity, alternative power supply, distribution piping size, and minimum service pressures. Checking previous permit applications, these issues were not raised during the issuance of those permits. Since this is a relatively small modification to the public water supply, and nothing in the distribution system is being modified, these provisions could not be addressed.

B. 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. 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.)

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 Robert F. Lucht, P.E. and P.G., UIC Program Supervisor, and completed on July 3, 1997. 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."

RFL/bb/90251.ltr

PERMIT TO CONSTRUCT

New
Renewal
Modified

PERMIT NO. 97-250
SPECIAL CONDITIONS

Cloud Peak Middle School Septic Tank Replacement

This permit hereby authorizes the applicant:

Big Horn County School District No. 4
P. O. Box 151
Basin, Wyoming 82410

to construct a new 6500 gallon septic tank according to the procedures and conditions of the application number 97-250. The facility is located in NE1/4 NW1/4 Sec. 31, T50N, R92W in the county of Big Horn, 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: Jeff Hermansky, Northwest District Engineer, 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.

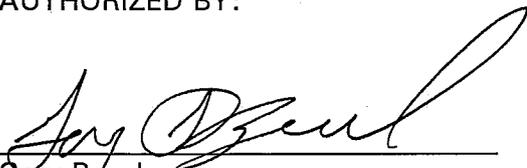
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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.

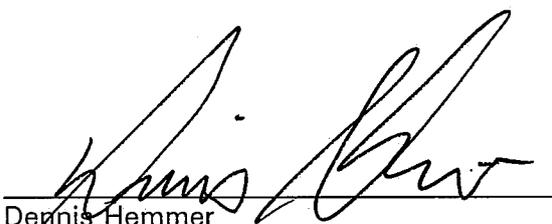
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

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 Jeff Hermansky, Northwest District Engineer, 250 Lincoln Street, Lander, WY 82520 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:



Gary Beach
Administrator
Water Quality Division



Dennis Hemmer
Director
Department of Environmental Quality

8-8-97
Date of Issuance

STATEMENT OF BASIS

I. General information.

A. Permit Number: 97-250

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.)

N/A

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 August 5, 1997. 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."