

PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 92-401  
SPECIAL CONDITIONS

Wyoming Air Guard, Bldg. 022 - Oil/Water Separator

This permit hereby authorizes the applicant:

Wyoming Air National Guard  
ATTN: First Lt. Roy W. Hockenberry  
217 Dell Range Blvd.  
Cheyenne, Wyoming 82009-4799

to construct, install or modify an oil/water separator according to the procedures and conditions of the application number 92-401. The facility is located in SW 1/4 Section 19 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

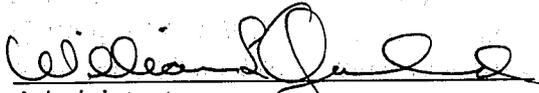
The permittee shall allow authorized representatives from the Department of Environmental Quality, ~~Water Quality Division~~, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

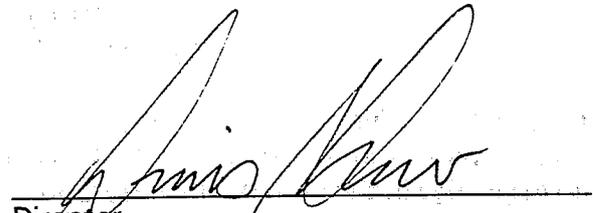
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

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

AUTHORIZED BY:

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

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

12/14/92  
\_\_\_\_\_  
Date of Issuance

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

**SPECIAL CONDITIONS**

- 1 of 2. The water output from the oil/water separator serving building 022 will be discharged into the base storm water collection system, eventually flowing into the site drainage retention pond which is covered by the current NPDES discharge permit # WY-0028576.
- 2 of 2. An operation and maintenance (O&M) manual for the oil/water separator must be submitted to the DEQ Water Quality Division before the unit is placed into service. This manual should identify the make and model of the oil/water separator and any optional components included with the installation. This manual must also address the daily, weekly, and other routine activities required. Merely copying the manufacturer's literature for the oil/water separator will not suffice, although this information should also be included in the O&M manual. When submitting this manual, please reference permit #92-401.

RLE:jmm 24573.ltr

RJ

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-402  
SPECIAL CONDITIONS

Wyoming Air Guard, Bldg. 23 & 24 - Oil/Water Separators

This permit hereby authorizes the applicant:

Wyoming Air National Guard  
Attn. First Lt. Roy W. Hockenberry  
217 Dell Range Blvd.  
Cheyenne, Wyoming 82009-4799

to construct, install or modify two oil/water separators according to the procedures and conditions of the application number 92-402. The facility is located in SW 1/4 Section 19 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

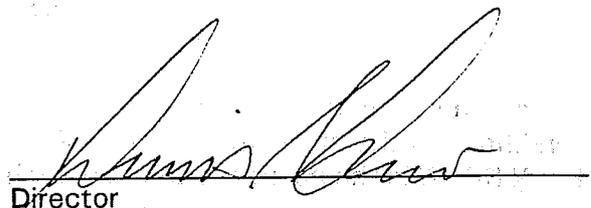
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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AUTHORIZED BY:

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

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

12/14/92  
\_\_\_\_\_  
Date of Issuance

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

SPECIAL CONDITIONS

- 1 of 2. The water output from the oil/water separators serving buildings 023 and 024 will be discharged into the City of Cheyenne sanitary sewer system as approved by the Cheyenne Board of Public Utilities in the letter dated December 1, 1992.
- 2 of 2. An operation and maintenance (O&M) manual for the oil/water separators must be submitted to the DEQ Water Quality Division before the units are placed into service. This manual should identify the make and model of the oil/water separators and any optional components included in the installation. This manual must also address the daily, weekly, and other routine activities required. Merely copying the manufacturer's literature for the oil/water separators will not suffice, although this information should also be included in the O&M manual. When submitting this manual, please reference permit # 92-402.

RF

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-403R

Sewer Collection System F.E. Warren AFB (Project # GHLN910020)

This permit hereby authorizes the applicant:

F. E. Warren AFB  
90 CES/CD Vesle Drive  
F.E. Warren AFB, Wyoming 82005-2795

to construct, install or modify upgrade existing sewer lines according to the procedures and conditions of the application number 92-403R. The facility is located in Sections 26 & 27, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

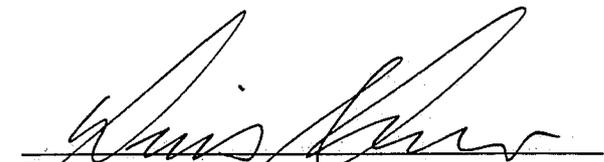
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

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

AUTHORIZED BY:

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

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

4-19-93  
\_\_\_\_\_  
Date of Issuance

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

LRR/nc 31760.LTR

cc: John E. Parks, McFall Konkel & Kimball, 500 E. 18th St, Cheyenne, WY 82001

REVIEW OF PLANS AND SPECIFICATIONS

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

**PROJECT:** Sewer collection system F.E. Warren AFB  
(Project # GHNL910020)

**ENGINEER:** John E. Parks  
McFall Konkell & Kimball  
500 E. 18th Street  
Cheyenne, Wyoming 82001

**APPLICANT:** Jack B. Knudson  
90 CES/CD 300 Vesle Drive  
F.E. Warren AFB, Wyoming 82005-2795

**WATER QUALITY REFERENCE NUMBER:** 92-403

**APPROVING ENGINEER:** Larry Robinson 

**DATE OF REVIEW:** January 6, 1993

**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION

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

1. Sheet M-22, Detail E. Chapter XI, Wyoming Water Quality Rules and Regulations, Section 9(c)(iii)(D) requires that all service connections shall be made only with a wye or a tee for new construction. Tapping saddles can be used only for connections to existing lines. State regulations make no provision for the use of "banding".
2. Sheet M-22, Detail D. Section 9(c)(i)(F)(I) requires that the trench width be no less than the outside diameter of the pipe plus 8 inches.
3. Sheet M-10. The correct slope between MH-7 and MH-8 is 0.40%.
4. Sheet M-11. The separation between new 6 inch water line and 6 inch sewer line to MH-9 may not meet 18 inch requirement. Include reference to specifications for procedures when water and sewer lines cross.

January 8, 1993

Page 2

5. Sheet M-15. Add a cleanout at the junction of 4 inch line from building 66A and the 6 inch line from buildings 64A and 64B.
6. Sheet M-14. Add a cleanout in the line from building 60 and the line from buildings 56B and 58.
7. Sheet M-7. Add a cleanout to the three 6 inch lines on this sheet.
8. The 6 inch lines serving more than two buildings are defined as a sewage collection line. See Section 9(c). It is necessary that the plans provide for the separation required in Section 9(f) (ii) for these lines. It is difficult to tell which existing water lines will be abandoned. Some but not all are labeled. Provide clarification of active crossings and notations on the plans assuring that the separation requirement will be addressed at the following locations:

<u>Sheet No.</u>	<u>Buildings</u>
M-6	10A & 10B
M-6	12B & 14A
M-7	14B & 16A
M-7	16B & 18A
M-7	18B & 20A
M-8	21 & 22
M-10	40A & 40B
M-11	42A & 42B
M-11	Station B 6+75
M-14	54B & 56A
M-14	56B & 58
M-14	60A & 60B
M-13	48A & 48B
M-15	62A & 62B
M-15	64A & 64B & 66A
M-15	66B & 68A
M-16	68B & 70A
M-16	70B & 72A
M-17	76B & 78A
M-19	82B & 84A
M-19	84B & 86A
M-20	86B & 88A
M-20	88B & 90A

LRR/mad 30102.LTR

RF

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-404R  
SPECIAL CONDITIONS

Water Distribution System F.E. Warren AFB (Project # GHLN820006)

This permit hereby authorizes the applicant:

F.E. Warren AFB  
90 CES/CD 300 Vesle Drive  
F.E. Warren AFB, Wyoming 82005-2795

to construct, install or modify water distribution system according to the procedures and conditions of the application number 92-404R. The facility is located in Sections 25 & 26, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

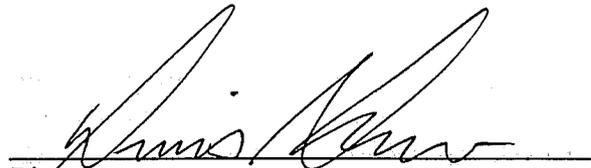
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

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

AUTHORIZED BY:

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

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

4-19-93  
\_\_\_\_\_  
Date of Issuance

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

SPECIAL CONDITIONS

- 1 of 2. This permit is based upon acceptance by the Cheyenne Board of Public Utilities being considered as meeting the requirement of a hydraulic analysis demonstrating that the system will provide fire protection and meet minimum pressure requirements in accordance with Section 14 (b) (i), chapter XII, Wyoming Water Quality Rules and Regulations.
- 2 of 2. The horizontal separation of sewer and drain from fire hydrant 1-55 will be field verified and 6 inch pipe installed as necessary to insure the required 10 foot horizontal separation is met.

LRR/nc 31739.LTR

cc: Robert D. Herb, 90 CES/CEEE, 300 Vesle Drive, FE Warren AFB, WY 82005-2795

PERMIT TO CONSTRUCT

New

Permit No. 92-405R

Renewal

Modified

Lander Main Street Water and Sewer  
(Name of Facility)

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

City of Lander

240 Lincoln

Lander, WY 82520

to construct new water and sewer mains in Main Street according to the procedures and conditions of the application No. 92-405R. The facility is located in Section 18, T33N, R99W in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2-22-93  
\_\_\_\_\_  
Date of Issuance

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

JH/jyi

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-406  
SPECIAL CONDITIONS

Alpine Carpet - Domestic Waste Septic System

This permit hereby authorizes the applicant:

Elmer Gudenkauf  
P.O. Box 5656  
Cheyenne, Wyoming 82003

to construct, install or modify a commercial domestic waste septic system according to the procedures and conditions of the application number 92-406. The facility is located in NW 1/4 Section 25 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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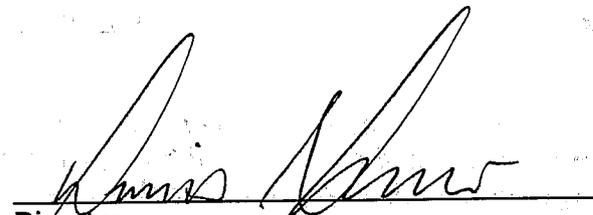
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:

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

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

12-11-92  
\_\_\_\_\_  
Date of Issuance

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

#### SPECIAL CONDITIONS

- 1 of 5. This system is approved for the disposal of domestic quality bathroom and sink wastes only. Any wastes or solvents from carpet cleaning operations or wastes from any other commercial or industrial activities **SHALL NOT** be disposed of into this system.
- 2 of 5. The manholes on the septic tank (one on each compartment) must be extended to the surface because there are no clean-outs included on Vaughn Concrete Products septic tanks as required.
- 3 of 5. 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

PERMIT NO. 92-406

abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan.

- 4 of 5. 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 1700 Snyder Avenue, Cheyenne, Wyoming 82001; or they can be reached by phone at (307) 638-4209.
- 5 of 5. Upon request and notification by DEQ personnel the operator of this facility shall allow access to DEQ personnel for sampling of the septic tank contents to verify compliance with the above listed conditions. This requirement is based on Wyoming Statute 35-11-303(a)(i) of the Wyoming Environmental Quality Act which states:

"(a) In addition to other duties imposed by law, the administrator of the water quality division at the direction of the director:

- (i) May conduct on site compliance inspections of all facilities and works during or following the completion of any construction, installation or modification for which a permit is issued under W.S. 35-11-301(a)(iii) or (v);".

RLE/mad 24550.LTR

cc: Laramie County Environmental Health Division  
1710 Snyder Ave., Cheyenne, Wy. 82001

PERMIT TO CONSTRUCT

New  
Renewal  
 Modified

PERMIT NO. 93-119  
SPECIAL CONDITIONS  
Reference 92-406

Alpine Carpet- Septic System Pump Tank

This permit hereby authorizes the applicant:

Jerry Gudenkauf  
4505 Greenfield Ct.  
Cheyenne, Wyoming 82001

to construct, install or modify a septic system pump tank according to the procedures and conditions of the application number 93-119. The facility is located in NW 1/4 Section 25 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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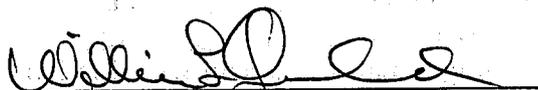
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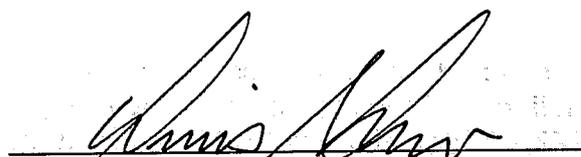
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

**AUTHORIZED BY:**

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

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

4-28-93  
\_\_\_\_\_  
Date of Issuance

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

**SPECIAL CONDITIONS**

**Reference 92-406**

Comment - This permit is a modification to permit #92-406 which was previously issued for the construction of a commercial septic system. During construction of the system approved by 92-406 it was discovered that the septic tank needed to be lowered approximately 2 feet more than anticipated in order to avoid surface drainage problems. This put the septic tank below the leach field, which cannot be lowered. Therefore, this permit authorizes the addition of a lift station pump tank between the septic tank and leach field previously approved with the following conditions:

1 of 2. 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.

2 of 2. All conditions perviously imposed by Permit # 92-406 are still in full force.

RLE/bb/31961.LTR

cc: Laramie County Environmental Health Division  
100 Central Avenue, Cheyenne, Wyoming 82007

**PERMIT TO CONSTRUCT**

New

Permit No. 92-407R

Renewal

Modified

**The Western Co. of N. America Wash Bay Effluent Line**  
(Name of Facility)

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

The Western Co. of N. America

515 Post Oak Blvd. Site 915

Houston, TX 77027-9407

to construct a 6" PVC effluent line to connect to the Rock Springs sanitary sewer system according to the procedures and conditions of the application No. 92-407. The facility is located in Rock Springs; NE1/4, S22, T.19N.,R.105W in the County of Sweetwater, 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 provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does

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

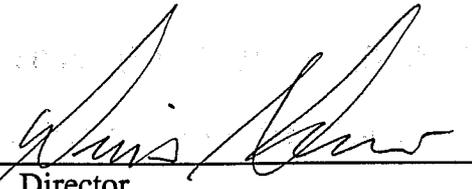
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

AUTHORIZED BY:

 _____ Administrator Water Quality Division	 _____ Director Dept. of Environmental Quality
---	---

1/6/93  
Date of Issuance

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

**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 92-408RRR

**Clearview Lanes Bowling Center**  
(Name of Facility)

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

City of Green River

50 East Second North

Green River, WY 82935

to construct water supply lines to the Clearview Lanes Bowling Center connecting to the City of Green River, Wyoming according to the procedures and conditions of the application No. 92-408RRR. The facility is located in SW $\frac{1}{4}$  Section 27, T18N, R107W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State

assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

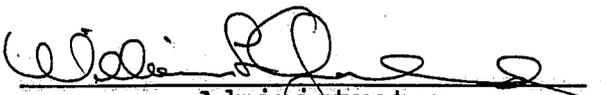
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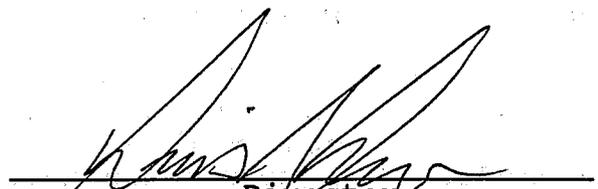
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AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

3-3-93  
Date of Issuance

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

RR/rjr

PERMIT TO CONSTRUCT

[X] New

Permit No. 92-409R

[ ] Renewal

[ ] Modified

Harold Clark Plat Sanitary Sewer  
(Name of Facility)

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

Norman MacCord

Fifth Federal Corp.

486 Brookhurst Ave.

Narbeth, PA 19072

to construct a sanitary sewer connecting to the town of Jackson, Wyoming according to the procedures and conditions of the application No. 92-409R. The facility is located in NW $\frac{1}{4}$  Section 34, T41N, R116W: Lots 12, 13, and 14 of Block 2 in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State

assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

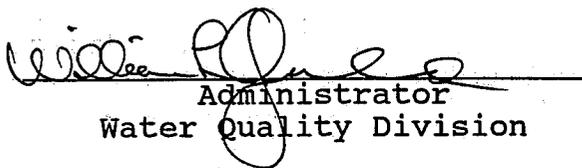
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

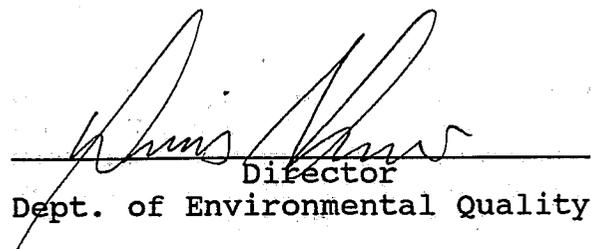
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

1-19-93  
Date of Issuance

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

RR/rjr

92-410

approved  
as built

01-11-93

MEMO

1/8/93



TO: Patti Burns, DEQ/WQD-IPS, Cheyenne  
FROM: Don McKenzie, DEQ/WQD, Sheridan   
DATE: January 6, 1992  
RE: As-Built Application 92-410  
Western Wastewater Pit, Weston County

I have enclosed an as-built letter for Bill Garland's signature. Please ask Larry Robinson to review the as-built letter prior to routing to Bill. If the letter meets with Larry's approval and Bill signs it, we will distribute the original as-built letter and provide appropriate copies of the as-built letter and application package. Thanks for your assistance!

Enclosure

xc: Western Wastewater Pit As-Built Application 92-410 File

THE STATE



OF WYOMING



MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

2161 Coffeen Avenue • Sheridan, Wyoming 82801

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

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

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

January 6, 1993

Mr. Doran Newlin  
Western Production Company  
923 Grieves Road  
Newcastle, WY 82701

RE: Western Wastewater Pit, As-Built Application 92-410  
NW/4 NW/4 Section 9 T42N R64W, Weston County

Dear Mr. Newlin:

The DEQ/WQD has reviewed the referenced application. According to the application and a subsequent telephone review between yourself and Mr. Don McKenzie on December 7, 1992, the lined wastewater pit was constructed in the early 1970's for the purpose of containing wastewater generated from a shop wash bay. The fluid utilized to clean vehicles and equipment does not contain any petroleum based products, and the resultant wastewater quality appears to be suitable for livestock use, based upon a July 18, 1991, pit sample analysis. You also expressed a desire to apply the wastewater to a road for dust suppression.

Our review indicates the wastewater pit does not meet all of the minimum design standards for the construction of a non-biological treatment facility. The areas of noncompliance are as follows:

- 1) The pit design was not sized to account for precipitation and evaporation. [Reference Wyoming Water Quality Rules and Regulations (WWQRR) Chapter XI Part C Section 30 (b) (ii)]
- 2) There is no seepage control for the inlet pipe protruding through the liner. [Reference WWQRR Chapter XI Part C Section 30 (c) (iv)]
- 3) The inlet pipe lacks a cleanout. [Reference WWQRR Chapter XI Part C Section 30 (c) (v)]

- 4) The inner dike slopes are too steep at 1:0.25 and 1:0.5 versus the regulatory and industry standard range of 1:3 to 1:4. [Reference WWQRR Chapter XI Part C Section 30 (d) (iii)]
- 5) There is no documentation the liner material is compatible with the wastewater characteristics and not subject to degradation from ultraviolet light, ice damage, or settling of the soil material underneath the liner. [Reference WWQRR Chapter XI Part C Section 30 (f) (iii)]
- 6) A leak test has not been conducted to determine if the liner exfiltration is acceptable or excessive. [Reference WWQRR Chapter XI Part C Section 30 (f) (v)]

In spite of the areas of noncompliance noted above, our review did not identify any existing water quality violations as a result of the operation of the lined pit. The pit has been used for almost twenty years without any apparent problems with regard to the inlet pipe, liner compatibility with the wastewater, liner degradation, or pit leakage.

However, it would be prudent to conduct an exfiltration evaluation of the liner. You are requested to complete this task when the weather allows and provide your findings. A closure plan for the reclamation of the wastewater pit is also necessary. Please note that any modifications to the wastewater pit are to be documented and provided as well. Please submit this information to Mr. McKenzie at the above address, or call him at 672-6457 if you have any questions.

As for the use of the pit wastewater for a road dust suppressant, I understand Mr. McKenzie has already informed you this request cannot be processed without a TCLP analysis of the fluid. Once a permit is issued, the earliest you could apply the wastewater to a road is April 11, weather permitting. A road application package is enclosed for your anticipated use.

Nothing in this letter constitutes an endorsement of the construction or the design of the described facility. The State assumes no liability and does not in any way guarantee the performance of the applicant in the exercise of activities identified in this letter. The applicant understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the referenced facility. The State does not in any way waive its sovereign immunity by the issuance of this letter.

Western Wastewater Pit  
January 6, 1993  
Page 3

Since a permit to construct cannot be issued for as-built treatment facilities, this letter will serve as your final approval document.

Yours truly,



William L. Garland  
Administrator  
Water Quality Division

DRM/dm

Enclosure

xc: Don McKenzie, DEQ/WQD, Sheridan, w/o enclosure  
Larry Robinson, DEQ/WQD, Cheyenne, w/o enclosure  
Patti Burns, DEQ/WQD-IPS, Cheyenne, w/o enclosure

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-411  
SPECIAL CONDITIONS

Wyoming Air National Guard - POL Fueling Complex

This permit hereby authorizes the applicant:

Wyoming Air National Guard  
Lt. Col. Stewart A. Zuber  
217 Dell Range Blvd.  
Cheyenne, Wy. 82009-4799

to construct, install or modify water and sewer improvements, and an oil/water separator according to the procedures and conditions of the application number 92-411. The facility is located in NE 1/4 Section 30 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

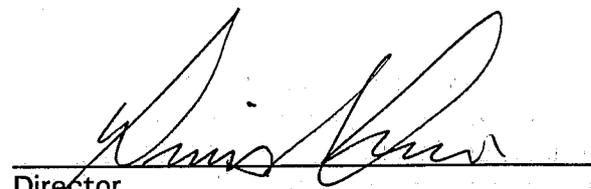
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

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

AUTHORIZED BY:

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

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

4/2/93  
\_\_\_\_\_  
Date of Issuance

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

#### SPECIAL CONDITIONS

- 1 of 2. O&M Manual for OIL/Water Separator System - An Operation and Maintenance (O&M) manual for the oil/water separator system - including the inflow control valve, the oil/water separator unit, the lift station, through to the NPDES discharge sampling outflow structure - must be submitted to this office before the system is placed into service. This manual should identify the make and model of the units and any additional components included in the system. This manual must address the daily, weekly, and other routine activities required; as well as storm event operating procedures, NPDES sampling procedures, and emergency procedures in case of an overflow situation. Merely copying the manufacturer's literature for the unit will not suffice; although this information should also be included in the O&M manual.
- 2 of 2. As Built Plans and Reports - Detailed and complete as-built plans of all aspects of the water and sewer improvements as well as the oil/water separator system must be submitted to DEQ/WQD within 90 days of completion of this project to verify compliance with all standard regulations and the plans approved by this

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PERMIT NO. 92-411

permit. Additionally, a report on the disinfection procedures and the results of the pressure and leak tests for the water distribution system should also be submitted at this time. These as-built plans and reports shall be signed by an appropriate Air Force official.

RLE/jmm 31467

cc: John Wagner, NPDES Supervisor



THE STATE OF WYOMING

MIKE SULLIVAN  
GOVERNOR

92-412



# Department of Environmental Quality

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

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

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

Solid Waste Management Program  
(307) 777-7752

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

December 15, 1992

## CERTIFIED

Mr. Ron Thiel  
138 Iron Mountain Road  
Cheyenne, Wyoming 82007

Dear Mr. Thiel:

Enclosed you will find a Notice of Violation, Docket No. 2437-92 issued under the provisions of W.S. 35-11-701(c).

We would like to continue efforts to abate the cited violations and to implement any mitigative measures that may be necessary. In order to do this, the following actions should be taken:

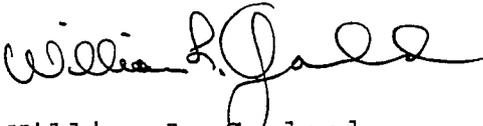
1. Immediately cease and desist all construction activities related to the sewer improvements until such time as proper permits are issued. As per your written request to withdraw your application (reference # 92-412), your plans are being returned to you with this letter. This application is now considered inactive. This project has not been permitted;
2. Within 30 days submit a letter of intent describing what the immediate and future plans are for this facility. For example, is it the intent to:
  - a) permanently end this project and remove and dismantle the sewer improvements constructed to date?, or
  - b) to resubmit plans and apply for proper construction permits?, or

Mr. Thiel  
December 15, 1992  
Page 2

- c) to leave the facility as-is temporarily while the project is evaluated for future actions?,  
or
  - d) propose some other action?
3. Redo any portions of the project as necessary to meet the DEQ regulations and ultimate permit conditions if and when the project is continued.

This letter does not constitute an order and is intended only to suggest a means of abating the violations. Inquiries concerning technical matters should be referred to Ron Ewald in our district office in Cheyenne, telephone: (307) 777-6183.

Sincerely,



William L. Garland  
Administrator  
Water Quality Division

WG/RE/bb/24639.ltr

cc: Ron Ewald, DEQ/WQD

12-11-92

Terry Bison Ranch Inc has requested  
that permits submitted by Intermountain  
Professional Engineering on our behalf  
be withdrawn at this time.

~~Permit~~ application # 92-412

24623

Ronald A Thiel, Pres.

Plans received by DSA on 12-7-92

Return to Intermountain ~~Inc~~ Prof  
Eng or Ron Thiel

PERMIT TO CONSTRUCT

NEW New  
Renewal  
Modified

PERMIT NO. 92-413  
SPECIAL CONDITIONS

LEINEN RESIDENTIAL SEPTIC SYSTEM

This permit hereby authorizes the applicant:

Mark Leinen  
1707 West Allison

Cheyenne Wyoming 82007

to construct, install or modify Residential Septic System according to the procedures and conditions of the application number 92-413. The facility is located in SW 1/4 Section 15 T 22 N R 67 W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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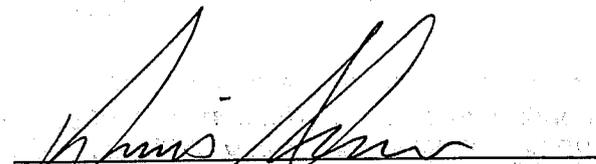
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AUTHORIZED BY:

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

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

1/6/93  
\_\_\_\_\_  
Date of Issuance

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

#### SPECIAL CONDITIONS

1. of 2. The trench system will be 220 feet long by 2 feet wide with 1 foot of stone under the distribution pipe. This provides a total infiltration area of 880 square feet which is greater than the required 865 square feet. This corrects for a minor arithmetic error in the application.
2. of 2. The owner may construct his own septic tank to the dimensions shown on the standard septic tank detail sheet submitted in the application package. If the owner wishes to use a prefabricated tank contact this office for a list of septic tank manufacturers that provide tanks that met state standards.

LRR/mad 24817.LTR

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-414  
SPECIAL CONDITIONS

F.E. Warren AFB - Transportation Complex

This permit hereby authorizes the applicant:

F.E. Warren AFB  
Mr. Jack B. Knudson, GM-14, Deputy Base Civil Engineer  
300 Vesle Drive  
F.E. Warren AFB, Wyoming 82005-2793

to construct, install or modify sanitary sewer, storm sewer, and water distribution system improvements according to the procedures and conditions of the application number 92-414. The facility is located in SE 1/4 Section 27 and NE 1/4 Section 34, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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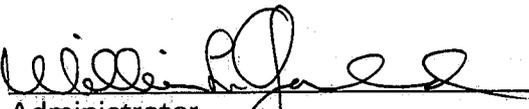
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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted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

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

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

AUTHORIZED BY:

  
Administrator  
Water Quality Division

  
Director  
Department of Environmental Quality

3-23-93  
Date of Issuance

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

SPECIAL CONDITIONS

- 1 of 2. Standard Specifications - The Standard Specifications (Volumes 1, 2, and 3) are acceptable as amended by Amendment Packages No. 0001, 0002, 0003, 0004, 0005, and 0006.
- 2 of 2. O&M Manuals for Oil/Water Separators - Operation and maintenance (O&M) manuals for the two oil/water separator units must be submitted to this office before the units are placed into service. These manuals should identify the make and model of the units and any optional components included in the installation. These manuals must address the daily, weekly, and other routine activities required. Merely copying the manufacturer's literature for the units will not suffice; although, this information should also be included in the O&M manuals.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: F.E. Warren AFB Transportation Complex, Phase I & II

ENGINEER: Roger L. Stormo, P.E.  
U.S. Army Corps of Engineers  
215 N. 17th Street  
Omaha, Nebraska 68102-4978

APPLICANT: F.E. Warren AFB  
Attn. Jack B. Knudson, GM-14  
Deputy Base Civil Engineer  
300 Vesle Drive  
F.E. Warren AFB, Wyoming 82005-2793

WATER QUALITY REFERENCE NUMBER: 92-414

REVIEWING ENGINEER: Ronald L. Ewald

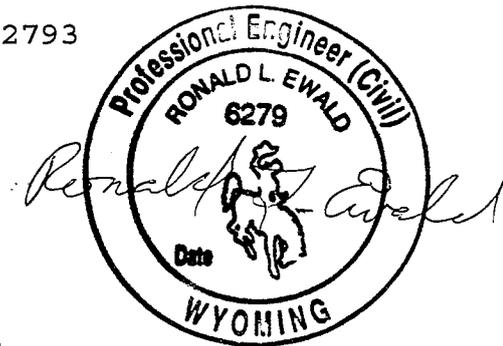
DATE OF REVIEW: March 4, 1993

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

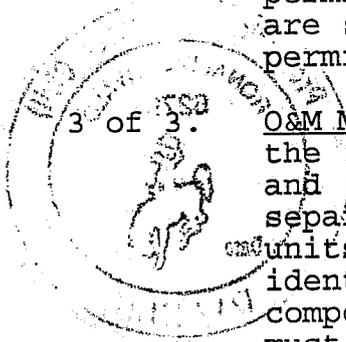
1 of 3. Water and Sewer Separations and Crossings - Most of the water and sewer crossings which appear on the plans are not adequately specified, or identified. Most of the vertical separations, and many of the horizontal separations, are left open to field determination during construction. The design and construction of these situations are described in the standard specifications as amended and are now acceptable. However, before something can be verified in the field, the construction crew must have some idea of what might be there. Some of these crossing locations are not clearly indicated on the plans. In fact, several crossing utility locations are not even shown on the profile views. What needs to be done:

- Clearly and specifically identify all crossing locations which would need to meet these requirements. This could be done by either clearly marking all such locations on both the plan and profile drawings, or by developing a comprehensive list of the location of each crossing with a brief description of the nature of the crossing; i.e. - which utilities cross, new or existing, which is



above or below, and approximate depth. This would include any place where new water, sanitary sewer, or storm sewer crosses either existing utilities or other new construction. Also, identify places where parallel utilities may come closer than 10 feet apart and, therefore, need field verification.

2 of 3. Oil/Water Separators - Two distinct oil/water separator units are shown on the plans. One of them is shown to discharge to a sanitary sewer. Before this can be permitted, the Cheyenne Board of Public Utilities (BOPU) must be notified of this situation and they must give written permission for this discharge into their sewer system. The other separator is shown to discharge into the base storm sewer system. Before this can be permitted, it must be determined if this discharge will pass through any existing NPDES monitoring locations, or if this storm sewer path will require the creation of a new NPDES monitoring point and a corresponding NPDES permit modification. Evidence that these two situations are satisfied must be submitted to DEQ/WQD before this permit can be approved.



3 of 3. O&M Manuals for Oil/Water Separators - A condition of the final "Permit To Construct" will be that operation and maintenance (O&M) manuals for the two oil/water separator units be submitted to this office before the units are placed into service. These manuals should identify the make and model of the units and any optional components included in the installation. These manuals must address the daily, weekly, and other routine activities required. Merely copying the manufacturer's literature for the units will not suffice; although, this information should also be included in the O&M manuals.

RLE/bb/30971.ltr

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-415  
SPECIAL CONDITIONS

Kemp Hill Subdivision

This permit hereby authorizes the applicant:

Mark Bennick  
1689 Canyon Road  
Ogden, Utah 84404

to construct, install, or modify extension of City of Cheyenne water distribution and sewage collection systems, according to the procedures and conditions of the application number 92-415. The facility is located in 1/4 Section 18, T14N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

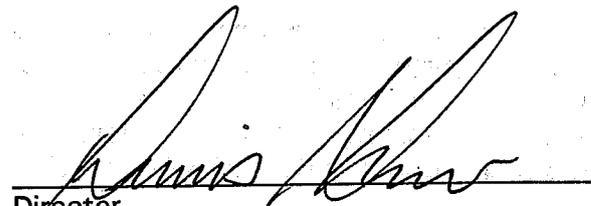
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

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

AUTHORIZED BY:

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

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

1/21/93  
\_\_\_\_\_  
Date of Issuance

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

#### SPECIAL CONDITIONS

- 1 of 7. Water system pipe will be ductile iron pipe, AWWA C151, Class 52.
- 2 of 7. The water system will be disinfected in accordance with AWWA Standard C601.
- 3 of 7. The water system will be pressure and leakage tested in accordance with AWWA Standard C600.
- 4 of 7. The minimum vertical separation at the water and stormwater crossing will be 1.5 feet or the water line will be placed in a separate conduit pipe. The water line shall be supported at the crossing.
- 5 of 7. The north inlet elevation at MH-1 is 6169.60. The correct slope of the sewer main is 4.44 per cent.

PERMIT NO. 92-415

- 6 of 7. Since the difference in invert elevations is greater than 2 feet, a drop manhole installation is required at MH-1. Concrete encasement shall be provided around the drop pipe.
- 7 of 7. A check valve shall be provided at the meter or in the service line of all residential service connections.

LRR/bb/30271.ltr

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-416  
SPECIAL CONDITIONS

City of Laramie WTP - Clearwell Baffles

This permit hereby authorizes the applicant:

City of Laramie  
406 Ivinson  
Laramie, Wyoming 82070

to construct, install or modify the Water Treatment Plant Clearwell Baffles according to the procedures and conditions of the application number 92-416. The facility is located in SW 1/4 Section 23 T14N R76W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

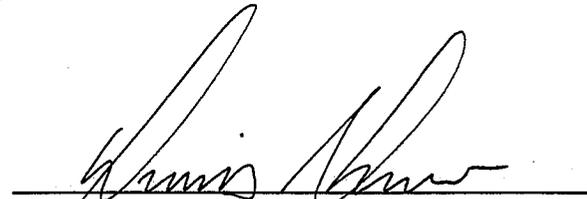
address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

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

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

AUTHORIZED BY:

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

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

5-18-93  
\_\_\_\_\_  
Date of Issuance

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

#### SPECIAL CONDITIONS

- 1 of 1. Sanitary Survey Report - After completion of the next sanitary survey of the water treatment plant (WTP) by the EPA, please submit a copy of the report to verify that the WTP is still considered to be a well run facility by the EPA, as it was in August of 1989 when the last survey was done. When submitting this report, please refer to Permit #92-416. Send the report to:

Southeast District Supervisor  
DEQ/Water Quality Division  
Herschler Bldg. 4 West  
Cheyenne, Wyoming 82002

RLE/nc 32353.LTR

MEMO

To: Permit File #92-416

From: Ronald L. Ewald

Date: December 15, 1993

Subject: Sanitary Survey Report for Laramie Water Treatment Plant

The EPA Sanitary Survey Report dated August 4, 1993, for the Laramie Water Treatment Plant has been received and reviewed by the Water Quality Division as required by condition 1 of 1 of "Permit To Construct" #92-416. Additionally, phone conversations with Maureen Doughtie, the Wyoming Coordinator of the EPA Drinking Water Section, confirm that this plant is considered to be a well run plant, and therefore is eligible for the 2 1/2 log giardia cyst reduction credit. Therefore, condition 1 of 1 has been satisfactorily complied with.

This report is being sent to archive to be placed in permit file #92-416.

**Summary:** Condition 1 of 1 is now fully satisfied.

cc: Owner - City of Laramie, Attn. Wesley R. Bressler



**LARAMIE**

CITY OF LARAMIE P. O. Box C - Laramie, Wyoming 82070 - 307/721-5200

**RECEIVED**

**DEC 09 1993**

**WATER QUALITY DIVISION  
WYOMING**

December 7, 1993

Mr. Gary Steele, P.E.  
Southeast District Supervisor  
WY Dept. of Environmental Quality  
Water Quality Division  
Herschler Building, 4 West  
Cheyenne, WY 82002

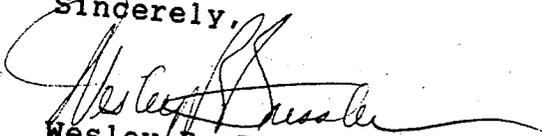
RE: Permit #92-416

Dear Mr. Steele,

The construction approved in the above permit has been completed. The clearwell has been returned to service and will be placed on line as soon as the results of the bacteriological tests come back as satisfactory. The plant should return to normal winter operation by mid-December.

Enclosed per the special conditions of this permit is a copy of the recent sanitary survey conducted May 25, 1993. Call me at 721-5281 if you wish any additional information.

Sincerely,

  
Wesley R. Bressler, Supt.  
Water/Wastewater

enclosure

Actual Report  
Sent to Archive



REVIEW OF PLANS AND SPECIFICATIONS

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

**PROJECT:** Laramie Water Treatment Plant, Clearwell Baffles

**ENGINEER:** Daniel P. Swift  
Gertsch/Baker & Associates  
307 Grand Avenue  
Laramie, Wyoming 82070

**APPLICANT:** City of Laramie  
406 Ivinson  
Laramie, Wyoming 82070

**WATER QUALITY REFERENCE NUMBER:** 92-416

**REVIEWING ENGINEER:** Ronald L. Ewald

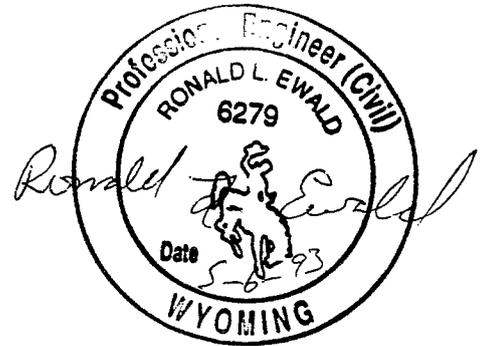
**DATE OF REVIEW:** May 03, 1993

**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION

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

1 of 1. It is obvious that the proposed modifications to the clearwell include the assumption that the plant is a "well operated conventional filtration plant", which would provide that the plant be able to claim the 2 and 1/2 log giardia cyst reduction credit allowed by the Surface Water Treatment Rule (SWTR) Guidance Manual. Such a credit would then mean that only an additional 1/2 log of giardia cyst inactivation would be needed, which this proposal appears to be able to achieve. Section 5.3 of the "Guidance Manual for Compliance With the Filtration and Disinfection Requirements for Public Water Systems Using Surface Water Sources", October 1989 edition, allows that the "Primacy Agency" may grant such a credit for well operated plants. Please provide information to demonstrate that this plant is eligible for this 2 and 1/2 log credit and that the primacy agency concurs (EPA in this case).

RLE/bb/32160.LTR



PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-417  
SPECIAL CONDITIONS

Cheyenne Board of Public Utilities Water & Sewer Rehabilitation Project

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities  
P.O. Box 1469

Cheyenne, Wyoming 82003-1469

to construct, install or modify Water and sewer rehabilitation according to the procedures and conditions of the application number 92-417. The facility is located in Section 29/33 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

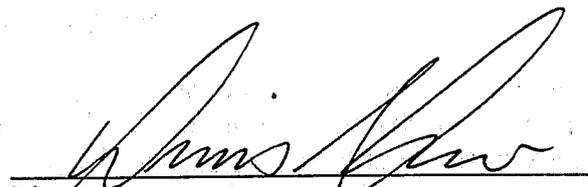
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer,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

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

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

AUTHORIZED BY:

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

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

1-26-93  
\_\_\_\_\_  
Date of Issuance

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

SPECIAL CONDITIONS

- 1 of 11. Sheet 3, Station 3+20. Vertical separation of 1.5 feet must be maintained at stormwater crossing or water line placed in separate conduit. Stormwater line must be supported.
- 2 of 11. Sheet 3, approximately Station 5+50. Indicates existing valve in new line. Valve required at this approximate location to meet 500 spacing interval.
- 3 of 11. Sheet 3, approximately Station 3+20. Vertical separation of 1.5 feet must be maintained at stormwater crossing or water line placed in separate conduit. Stormwater line must be supported.
- 4 of 11. Sheet 4. Station 0+00 to approximately 3+80 does not meet vertical separation of 1.5 feet. Horizontal separation is apparently 8 to 9 feet. This is only slightly short of standard of 10 feet. Will leave to discretion of BPU to consider any adjustments consistent with field conditions. Vertical separation of 12 inch sanitary sewer at approximately Station 2+90 is not identified.

PERMIT NO. 92-417

- 5 of 11. Sheets 9 & 10, approximately Station 8+20 to approximately 13+20. Same comment as #4 above regarding separation of water and sewer lines.
- 6 of 11. Sheet 10, approximately Station 10+20. Vertical separation of 12 inch sanitary sewer is not identified.
- 7 of 11. Sheet 12, approximately Station 6+50. Vertical separation of 8 inch water line is not identified.
- 8 of 11. Sheet 14. Manholes 2 and 3 require a drop invert.
- 9 of 11. Sheet 16, Station 10.5. The invert for the 30 inch sanitary sewer is not identified. The East 8 inch line requires a drop invert.
- 10 of 11. Could not locate specification for disinfection of water lines. Required in accordance with AWWA Standard C601.
- 11 of 11. Permit approval based upon Cheyenne BPU determination that minimum pressure of 20 psi maintained in system under all conditions of flow.

LRR/jn - 30325.ltr

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-418

Rawlins/Cedar Street Sewer and Water  
(Name of Facility)

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

City of Rawlins  
P.O. Box 953  
Rawlins, WY 82301

to construct a replacement of sewer manholes, repair and replacement at existing sewer lines, and replacement of existing waterline according to the procedures and conditions of the application No. 92-418. The facility is located in Section 16 and 17, T21N, R87W in the County of Carbon, in the State of Wyoming.

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

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

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

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

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

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

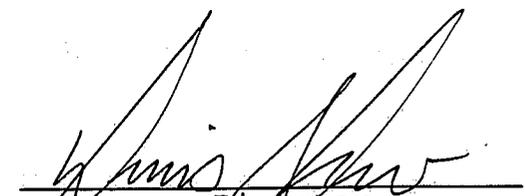
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

3-3-93  
Date of Issuance

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

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

PERMIT NO. 92-419  
Special Conditions

CEDAR HILLS SEWER MAIN EXTENSIONS

(Name of Facility)

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

Town of Pine Haven  
24 Waters Drive  
Pine Haven, WY 82721

to construct, install or modify sewer main extensions according to the procedures and conditions of the application No. 92-419. The facility is located in the SW/4, Section 32, Township 51 North, Range 66 West, in the County of Crook in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

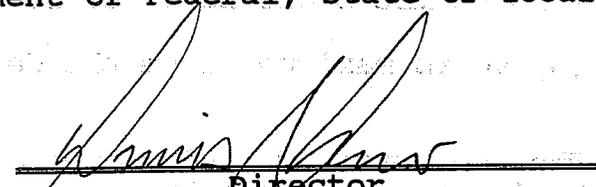
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Supervisor,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

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

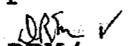
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
2-25-93  
\_\_\_\_\_  
Date of Issuance

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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

  
DRM/pr:02/16/93

SPECIAL CONDITIONS

- 1 of 2 The exact location of the water line crossing between Lots 41 and 57 is unknown at this time. The applicant shall take appropriate action to insure State separation requirements are met for the water and sewer lines.
- 2 of 2 As-built drawings shall be provided within thirty (30) days of project completion.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-420  
SPECIAL CONDITIONS

Tristate Equipment Company - Casper Monitoring Wells

This permit hereby authorizes the applicant:

Tristate Equipment Company  
1271 North Derrick Drive  
P.O. Drawer 340  
Casper, Wyoming 82602

to construct, install or modify a system of environmental monitoring wells according to the procedures and conditions of the application number 92-420. The facility is located in SE1/4SW1/4 Section 34, T80N, R34W, 6th P.M. in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

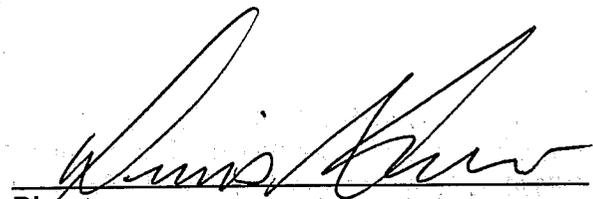
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Program Supervisor, UIC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

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

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

AUTHORIZED BY:

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

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

12-18-92  
Date of Issuance

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

#### SPECIAL CONDITIONS

- 1 of 11. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 92-420. Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
- 2 of 11. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
- 3 of 11. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with WQD.

PERMIT NO. 92-420

- 4 of 11. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
- 5 of 11. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells shall be installed to define the extent of the contamination.
- 6 of 11. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
- a. The borehole diameter shall be at least 4 inches larger in diameter than the casing diameter;
  - b. The screened interval shall extend at least 2 feet above the highest expected groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;
  - c. If PVC casing is used, the casing shall be installed using mechanical connectors without the use of solvents or glues to hold the casing sections together. This mechanical connection may use set screws, threads, or other types of couplings;
  - d. To minimize the entrance of fine grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
  - e. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
  - f. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
  - g. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. After the bentonite has been placed in the annular space, it shall be hydrated to insure an proper seal. Protective casing shall be cemented into a sloping concrete cap; and
  - h. All monitor wells shall be designed to contain a minimum of 3 feet of water at all times of the year.

PERMIT NO. 92-420

7 of 11. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of monitor wells and sample collection so that DEQ/WQD personnel may be on site if deemed necessary.

8 of 11. Within 90 days of the issuance of this permit, a report of investigation shall be submitted to WQD. This report shall contain at a minimum:

- a. A chronology of events leading up to the investigation;
- b. A site map showing the physical features, well locations and sea level elevations;
- c. The permittee shall provide the exact latitude and longitude or the exact state plane coordinate for each of the monitor wells being constructed under this permit. These figures shall be accurate to the nearest one second of latitude and longitude;
- d. Final location, construction details and logs of monitor wells;
- e. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geologic materials and groundwater occurrence;
- f. Water level and product thickness measurements;
- g. Sample collection procedures;
- h. Sampling analytical results;
- i. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
- j. A potentiometric surface map showing the direction of groundwater movement; and
- k. Interpretation of the data and conclusions including recommended remedial measures.

9 of 11. Proper well evacuation shall include removal of a minimum of 3 casing volumes prior to sampling or pumping the well dry once, whichever occurs first. Sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD and EPA standard procedures.

10 of 11. All monitor wells associated with this facility shall be sampled and the groundwater analyzed quarterly for the following listed parameters:

- a. Total Phenolic Hydrocarbons using EPA Method 420.1;

PERMIT NO. 92-420

- b. Cadmium using EPA 200 series methods;
- c. Lead using EPA 200 series methods;
- d. Chromium using EPA 200 series methods;
- e. Acetone using EPA Method 624;
- f. Purgeable Aromatic and Halogenated Hydrocarbons using EPA Method 624;
- g. Acid, Neutral and Base Extractable Hydrocarbons using EPA Method 625;
- h. After the first monitoring event, the WQD may substitute a shorter list for the above parameters, depending on the results of the first monitoring event. WQD may substitute less expensive methods for the above listed methods depending on the results of the first monitoring; and
- i. The results of these analyses shall be submitted to the Cheyenne office by the last day of the month following the end of each quarter. The first set of results are due by the last day of February, 1993.

11 of 11. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.

RFL/mad 24665.LTR

PERMIT TO CONSTRUCT

New

Permit No. 92-421R

Renewal

Modified

NORTHWEST RURAL WATER DISTRICT

O'DONNELL SERVICE AREA

(Name of Facility)

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

Northwest Rural Water District

William B. Sheets, Manager

P.O. Box 2344

Cody, Wyoming 82414

to construct a water service and distribution system consisting generally of over 169,000 lineal feet of a combination of 10", 8", 6", 3", and 2" diameter pipe, three (3) 35,000 gallon water storage tanks and connection station (to the Shoshone Municipal Pipeline) according to the procedures and conditions of the application No. 92-421R. The facility is located in Township 55N, and Ranges 98W, 99W, and 100W in the County of Park, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

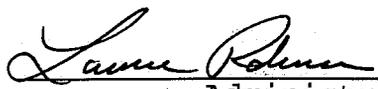
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

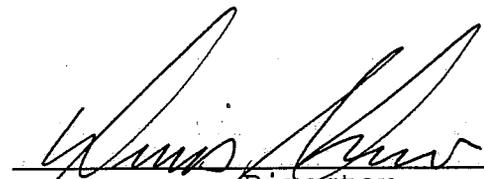
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

6/25/93  
\_\_\_\_\_  
Date of Issuance

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

GL/nbs



THE STATE OF WYOMING



MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	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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January 31, 1994

Mr. Charles W. Sand  
Wyoming Lean Pork LLC  
1418 25th Street  
Columbus, NE 68601

Dear Mr. Sand:

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

Facility Name: Wyoming Lean Pork LLC *Pla*

DEQ/WQD Reference Number: 92-422

Engineering Consultant: None

DEQ/WQD Reviewing Engineer: Ron Ewald

Date of DEQ/WQD Review: February 24, 1993

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

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

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

Sincerely,

Gary Steele  
Southeast District Engineer  
Water Quality Division

GS/nc 40467.LTR  
cc: IPS

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wyoming Lean Pork LLC - Abbot Site, Phase I, Nursery I

ENGINEER: None Listed

APPLICANT: Wyoming Lean Pork Inc.  
1418 25th Street  
Columbus, Nebraska 68601

WATER QUALITY REFERENCE NUMBER: 92-422

REVIEWING ENGINEER: Ronald L. Ewald *RL E*

APPROVING ENGINEER: Larry Robinson *LR*

GROUNDWATER REVIEW: Kevin Frederick *KF*

DATE OF REVIEW: February 24, 1993

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

Application Package

1. The information in Section 5 of the application form is filled out incorrectly. The proposed project is not a public water supply or a groundwater restoration system. The correct designation is a commercial wastewater facility consisting of an evaporative/containment pond and land application. A corrected application form should be submitted.
2. All plans, specifications, and design information are required to be signed and stamped by a Wyoming registered professional engineer. The application does not identify the engineer or engineers. The drawings submitted are stamped by J. Kenneth Kennedy, but it is not clear if Mr. Kennedy is the engineer for the entire project or just the lagoon design. The Ground Water Report prepared by Lidstone & Anderson, Inc. was not stamped. Additional information on nitrogen production, water demand, soils data, and land to be irrigated was also submitted. It was not clear, however, who generated this information and who the engineer responsible for the overall design is. When resubmitting the application package be sure the project engineer is identified and that all submittals are properly stamped.

REVIEW PERMIT #92-422

3. All of the design information, calculations, data, and construction details necessary to completely describe this project and how it will operate should be submitted in an engineering design report which adequately describes, explains, and ties all aspects of the project together. Sections 6 and 7, Chapter XI, Wyoming Water Quality Rules and Regulations describe what should be included in this report and the plans and specifications. The report must be prepared under the direction of and stamped by an engineer as indicated above.
4. This project is being reviewed under Chapter XI, Section 5 of the Wyoming Water Quality Rules and Regulations as an alternative technology. Large single cell anaerobic livestock waste treatment facilities such as this one will be partially evaluated using the "Livestock Waste Facilities Handbook" published by the Midwest Plan Service, Iowa State University, Ames, Iowa. Appropriate sections of this handbook should be referenced in the engineering design report. The pond will also be designed in accordance Section 28, Chapter XI and the impact on groundwater will be documented in accordance with the requirements of Section 15, Chapter III. Land application shall also be in accordance with the requirements of Part E, Chapter XI.
5. The application materials indicate that this project is phase 1 at this site. The relationship of this phase to future phases should be described in order to fully evaluate the proposed project.

Wastewater Pond

1. The engineering design report should establish the sizing requirements for the pond. Reference appropriate sections of the "Handbook" utilized to size the reservoir. Provide a water balance in accordance with Section 28(c)(ii), Chapter III. Provide an analysis of the capacity needed to provide wastewater storage during the non irrigation season.
2. Provide details of runoff diversion ditches and address protection from 100 year storm event in accordance with Section 28(a), Chapter XI.
3. Provide details of the inlet structure in accordance with the "Handbook" and Sections 28(c)(ii), (iv), (v), and (vii), Chapter XI. Provide manholes and cleanouts as required.
4. Provide additional details on the lagoon drawdown system. How is the head needed to drain the pond going to be provided?
5. Provide for erosion control of interior and exterior embankments in accordance with Sections 28(e).

REVIEW PERMIT #92-422

6. Provide an engineering analysis indicating that seepage through the liner will not cause a violation of the groundwater standards as described in Chapter VIII. Apparently the basis of the design is that the soil liner and manure seal will restrict seepage and/or provide denitrification so that Class I groundwater standards will be protected. This should be documented in the engineering design report.
7. Provide detailed specifications on the liner configuration, coefficient of permeability, exfiltration limits, and construction methods. Describe the quality control plan to be used during construction of the liner to insure that the requirements of Section 28(f)(ii) and (vi) are met. Provide for the required certifications and reporting.
8. Provide for prefilling in accordance with Section 28(f)(v) and appropriate management and startup procedures described in the "Handbook".
9. The permitted system should include the delivery system from the nursery building to the pond. Provide design details on this portion of the project. Is the waterway cross section shown on the "Drawdown Pipe" sheet part of this delivery system?

Groundwater Protection

1. Table 2 (Simulated Aquifer Drawdowns) indicates that drawdown from the SLS well will eliminate groundwater supply to the following private wells, effectively causing them to go dry:
  - a. @ Q = 20 gpm:
    - i. 9881 after 187 days
    - ii. 38648 after 472 days
    - iii. 38650 after 472 days
  - b. @ Q = 40 gpm:
    - i. 9882 between 187 and 472 days
    - ii. 9881 between 32 and 87 days
    - iii. 38648 between 87 and 187 days
    - iv. 38650 between 87 and 187 days
  - c. @ Q = 75 gpm:
    - i. 9882 between 87 and 187 days
    - ii. 9881 between 32 and 87 days
    - iii. 38648 between 32 and 87 days
    - iv. 38650 between 32 and 87 days

REVIEW PERMIT #92-422

It should be noted that the remaining wells may also have gone dry, had the model been run out further into the future. As illustrated in Table 2, drawdown had not stabilized in any of the wells.

SLS must obtain authorization for a production well from the State Engineer's Office to appropriate the proposed amount of water (30 gpm daily requirement and 75 gpm for 3-4 hrs/day) from the proposed SLS N1-1 well.

2. Information contained within the submitted "Groundwater Report" states that the hydraulic gradient is approximately 37 ft/mile, and assumes (Table 2) hydraulic connection between the water table encountered in nearby wells/springs (Table 1) and the water surface encountered in the SLS production well (N1-1). Assuming a gradient of 37 ft/mile, the water table in well N1-1 should be encountered at, or near the surface, rather than at a depth of 119' (@ #9881 SWL = 0' and elevation = 4930'; @ N1-1 SWL = 119' and elevation = 4892).

The calculated gradient between wells #9881 and N1-1 actually approximates 157 ft/mile. Such an excessive gradient suggests it is more likely that two distinct, hydraulically separate aquifers exist within the alluvium and underlying Tertiary deposits, especially when given the fact that well #38648 (roughly topographically equivalent to N1-1) encountered groundwater at a much shallower depth (4') than N1-1.

Substantiate the hydraulic connection inferred in the proposal by documenting, at the proposed wastewater impoundment: the presence or absence of a shallow aquifer within the alluvium overlying the Tertiary deposits; the depth to groundwater; and the hydraulic gradient.

3. The construction detail for N1-1 indicates a completion interval from 319' to 419'. The reported static water level (119') indicates confined aquifer conditions, with a hydraulic pressure head of approximately 200'. Confined aquifer conditions at N1-1 indicate that hydraulic connection between it and the other wells/springs in the area does not exist, and that it is unlikely that a cone of depression developed from pumpage of N1-1 would extend through the confining layer to intercept any infiltration from the wastewater pond.

Was the PLASM model provided in the application generated in the "unconfined" mode? It appears that it should be run in the "confined" mode, with the incorporation of a "leakance" coefficient (determined from field measurements) to account for infiltration through the confining layer, and the "head" set to illustrate the aquifer which is being pumped at N1-1.

Provide the PLASM model 'plots' illustrating the contoured cone of depression from the pumping well immediately before, during, and immediately after the proposed pumping intervals.

REVIEW PERMIT #92-422

4. Transmissivities and storage coefficients used in the PLASM model are rough estimates, at best. Due to the lack of information on the hydrogeologic properties of the undifferentiated Tertiary sediments, and highly variable local conditions, WQD questions the applicability of the values used for transmissivity and storativity, and instead recommends that an aquifer test be performed to more accurately determine data parameters for model input.
5. Whenever a discharge of any pollution or wastes may be allowed to waters of the state a monitoring program is required to insure knowledge of migration and behavior of the pollution or wastes. This requirement is included in Section 15 (c), Chapter III, Wyoming Water Quality Rules and Regulations. The monitoring program for the proposed project may be in the form of either up gradient and down gradient monitoring wells or the establishment of a control system of piezometers or other measuring devices to adequately verify the finding of the groundwater model that the zone of influence will contain any pollution seeping from the pond. Provide a proposed monitoring program to meet this objective for review and approval by this office. If the applicant elects to install monitoring wells, the proposed monitoring plan should include the monitoring well locations, sample constituents, sample frequency of sampling, and action levels that would indicate the need for additional response by the applicant

Land Application System

1. Provide additional information and design details relating to the land application or irrigation system including the following:
  - a. Specify the acreage and types of crops where the wastewater will be applied. If the wastes are to be applied to land not owned by the applicant, land owner approval is required.
  - b. Provide a description and/or engineering plans for the method of land application. If application is by sprinkler irrigation provide information on the piping and pumping system and provide for adequate backflow prevention to protect the wells while the wastewater is being pumped into the irrigation system. Only two methods are acceptable; either the irrigation well must be protected by an approved double check valve device, or the system designed so that connecting the effluent pump requires physically disconnecting the irrigation well or wells connected to the system.

- c. Provide specific procedures on how application rates will be determined and monitored, crops to be grown, nitrogen loading and soil sampling plan. Application rates shall be limited in both volume of water applied and total organic and mineral loading. Reference appropriate criteria and sections of the "Handbook" and Part E, Chapter XI.

Operation and Maintenance Manual

1. Provide an operation and maintenance manual which establishes clear and detailed procedures for operation of all aspects of the permitted system. The intent of the manual shall be to provide the necessary controls for operational personnel to manage the system as designed and permitted. The manual should include the following:
  - a. Description of operational and management responsibilities relative to the facility.
  - b. Detailed description of the facility operation including collection system, pond management, land application, groundwater protection system, monitoring, and reporting requirements.
  - c. Detailed operation and maintenance schedules for wells, pumps, irrigation system, and other equipment.
  - d. Criteria, guidelines and operating procedures for management of the pond and the land application system.
  - e. Monitoring and reporting procedures to insure that the system is operated as designed and permitted. Include operation logs for collection of appropriate data and documentation of such information as water depth in pond, water removed from pond, nitrogen applied to land, nitrogen level in irrigated land, depth of water applied to land, time of operation of production well, withdrawal from production well, etc.
  - f. Contingency plans to address operational problems and situations where groundwater criteria are exceeded. Address such situations as pond full and fields too wet to irrigate, production well pump failure, exceedance of groundwater standards or action levels etc.

PERMIT TO CONSTRUCT

New

PERMIT NO. 92-423

(See Attached Special Conditions)

Renewal

Modified

200 PRONGHORN STREET GROUNDWATER MONITORING WELLS

(Name of Facility) \_\_\_\_\_

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

R. H. Neville  
P. O. Box 318  
Moran, Wyoming 83013

to construct, install or modify groundwater monitoring wells according to the procedures and conditions of the application No. 92-423. The facility is located in SW/SW Section 4, 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 provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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

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

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

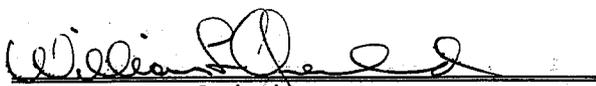
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

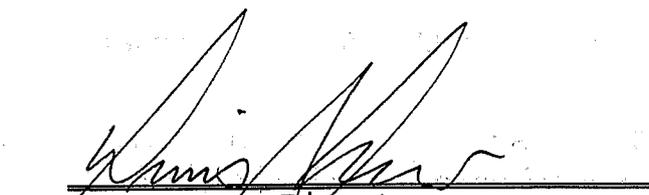
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department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

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

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

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

1-7-93  
\_\_\_\_\_  
Date of Issuance

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

SCF:12/31/92

**Special Conditions to Permit Number 92-423**  
**200 Pronghorn Street Groundwater Monitoring Wells**

- 1 of 16. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 92-423. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
- 2 of 16. Monitoring well construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations (WQRR). Monitoring well casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells must be constructed from materials which have no potential to contaminate groundwater samples.
- 3 of 16. All downhole equipment shall be decontaminated between wells and/or borings to minimize the potential for cross-contamination.
- 4 of 16. Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division.
- 5 of 16. Pursuant to WQRR, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
- 6 of 16. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of WQRR. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well shall be abandoned without prior approval from the WQD.
- 7 of 16. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the top or by writing the number in the concrete apron prior to curing.
- 8 of 16. The applicant is responsible for obtaining any Permits required by the State Engineers Office (777-7354).

**Special Conditions to Permit Number 92-423**  
**200 Pronghorn Street Groundwater Monitoring Wells (Continued)**

- 9 of 16. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
- 10 of 16. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
- a. The borehole diameter shall be at least four inches larger in diameter than the casing diameter.
  - b. The screened interval shall extend at least two feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
  - c. If PVC casing is used, the casing shall be installed using threaded joints, couplings, or mechanical connectors. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
  - d. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval. The filter pack shall extend to one foot above the screened interval;
  - e. A bentonite or bentonite grout (minimum two foot (2') thickness) is required from the top of the filter pack to one foot below the ground surface 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. The remaining one foot of annular space shall be sealed with Portland cement or a sand-cement grout. A protective casing shall be cemented into place with the concrete apron sloping away from the casing;
  - f. Filter pack, annular seal, and surface seal

**Special Conditions to Permit Number 92-423**  
**200 Pronghorn Street Groundwater Monitoring Wells (Continued)**

material shall be placed in the well in a manner such that bridging or voids will not occur;

- g. A top and bottom cap of the same material as the well casing shall be installed to prevent sediment and surface water from entering the well;
  - h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
  - i. All monitor wells shall be designed to contain a minimum of three feet of water at all times;
- 11 of 16. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
- 12 of 16. Within 90 days of issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
- a. A site map showing physical features, well locations and elevations;
  - b. The permittee shall provide the exact latitude and longitude for each of the monitor wells being constructed under this permit. These figures shall be accurate to the nearest second of latitude and longitude.
  - c. Final location, construction details and logs of all monitoring wells;
  - d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
  - e. Water level and product thickness measurements;
  - f. Sample collection procedures;
  - g. Sampling analytical results; and
  - h. A potentiometric surface map showing the direction of groundwater movement.
- 13 of 16. Proper well evacuation shall include removal of a minimum of 3 casing volumes prior to sampling or pumping the well dry once, whichever occurs first. Sample

**Special Conditions to Permit Number 92-423**  
**200 Pronghorn Street Groundwater Monitoring Wells (Continued)**

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

- 14 of 16. All monitor wells associated with this facility shall be sampled and the wastewater analyzed quarterly for the following listed parameters:

EPA Method 8015 (with purge and trap) for TPH.  
EPA Methods 601/602 for volatile and chlorinated hydrocarbons.

The results of these analyses shall be submitted to the Sheridan office in the report as stated in item #12 above. Upon submittal and review of the results of the analyses, the sampling schedule and/or parameter list may be amended.

- 15 of 16. Water collected during monitoring well development or sampling must be disposed of properly. The Applicant must contact the appropriate agency prior to disposal.
- 16 of 16. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.

cc: GPC Section Supervisor, Cheyenne

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-424  
SPECIAL CONDITIONS

Burns Water Line

This permit hereby authorizes the applicant:

Burns Utility Board  
P.O. Box 24

Burns, Wyoming 82053-0024

to construct, install or modify Replace existing water lines with new 8" water lines according to the procedures and conditions of the application number 92-424. The facility is located in SE 1/4 Section 7 T 14 N R 62 W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

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

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

2-3-93  
\_\_\_\_\_  
Date of Issuance

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

**SPECIAL CONDITIONS**

- 1 of 2. The permit is based upon the system being designed to maintain a minimum pressure of 20 psi under all conditions and a normal working pressure of not less than 35 psi.
- 2 of 2. All residential service connections shall be provided with a check valve at the meter or in the service line. Commercial or industrial connections will be provided back flow prevention in accordance with Section 14 (i), Chapter XII, Wyoming Water Quality Rules and Regulations.

LRR/mad 30430.LTR

**PERMIT TO CONSTRUCT**

- [X] New Permit No. 92-425R  
[ ] Renewal  
[ ] Modified

**Harrison Small Wastewater Treatment Facility**  
(Name of Facility)

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

Lloyd Harrison  
c/o McArthur Construction  
118 Hwy 14A  
Lovell, WY 82431

to construct a septic tank/leach field according to the procedures and conditions of the application No. 92-425R. The facility is located in SW $\frac{1}{4}$  Section 21, 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 provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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

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

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

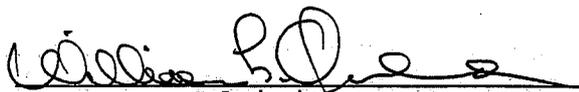
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

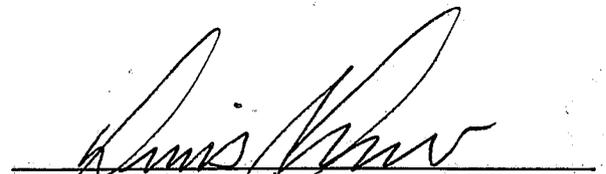
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

5-3-93  
Date of Issuance

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

JH/jyi 32075

**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 92-426R

**Elk St./Community Park Drive Waterline**  
(Name of Facility)

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

Rock Springs/Green River/Sweetwater Co.

Joint Powers Water Board

P.O. Box 158

Green River, WY 82935

to replace waterlines according to the procedures and conditions of the application No. 92-426R. The facility is located in N½ Section 26, T19N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

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

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

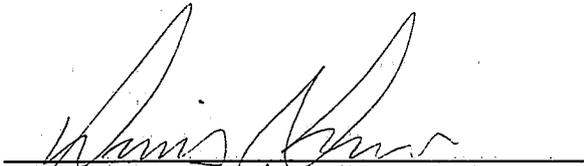
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2/4/93  
\_\_\_\_\_  
Date of Issuance

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

RT/jyi

## MEMORANDUM

FROM: Don Fischer *DF*  
TO: Patty Burns, IPS Section  
DATE: 4/25/95  
SUBJECT: Permit to Construct no. 92-427 (Dowell Schlumberger, Inc.)

Please withdraw Permit to Construct application 92-427 from the permitting process. The application was for a statewide permit for monitor wells and was not authorized. The Groundwater Section now permits each facility separately.

attachment

## MEMORANDUM

**From:** KEVIN FREDERICK (KFREDERI)  
**To:** SFORISTE  
**Date:** Thursday, December 31, 1992 1:25 pm  
**Subject:** DSI Statewide Permit

For facility tracking and reporting purposes, the Groundwater Section will issue individual monitoring well permits for DSI sites in which groundwater contamination has been identified. This approach will also provide greater flexibility in establishing sampling parameters, frequency, reporting requirements etc.

**CC:** JHERMANS

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-428  
SPECIAL CONDITIONS

Frontier Refinery Municipal Tap

This permit hereby authorizes the applicant:

Frontier Oil Corporation  
P.O. Box 1588  
Cheyenne, Wyoming 82003

to construct, install or modify Tap on municipal water distribution system for refinery fire water system, according to the procedures and conditions of the application number 92-428. The facility is located in NE 1/4 Section 5 T 13 N R 66 W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

AUTHORIZED BY:

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

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

4-28-93  
Date of Issuance

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

**SPECIAL CONDITIONS**

- 1 of 1. The reduced pressure backflow prevention device will be installed and maintained in accordance with manufacturer recommendations and AWWA Manual 14, Recommended Practice for Backflow Prevention and Cross-Connection Control, Second Edition, 1990.

LRR/jn - 31844.ltr

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Frontier Refining tap to municipal water system for  
fire water system.

ENGINEER: Rob Gronewold

APPLICANT: Frontier Oil Corp.

WATER QUALITY REFERENCE NUMBER: 92-428

APPROVING ENGINEER: Larry Robinson 

DATE OF REVIEW: 1/25/93

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:

- 1 of 7. Construction permit is based upon Cheyenne BPU determination that the project will not cause the pressure in their system to fall below the minimum pressure of 20 psi under all conditions of flow and 35 psi normal conditions. Refer to Section 14(b)(i), Chapter XII, Wyoming Water Quality Rules and Regulations. Letter from BPU approving the project and indicating minimum pressures will be maintained will meet this requirement.
- 2 of 7. Provide plans for the meter box including provision for drainage in accordance with Section 14(e)(ii).
- 3 of 7. Provide specifications to insure installation of the ductile iron pipe in accordance with Section 14(f) or Cheyenne BPU standard specifications.
- 4 of 7. Provide information to ensure compliance with water and sewer separation requirements of Section 14(g).

Page 2  
January 25, 1993  
Rob Gronewold

- 5 of 7. Provide addition information to support your position that the fire water system is completely isolated from liquid or gaseous streams within the refinery. This info should include but not be limited to the following:
- \* location of water storage tank
  - \* description or plans showing air gap at water storage tank
  - \* location of any taps between back flow prevention device and the air gap
  - \* identify potential sources of cross connection contamination to fire system between back flow prevention device and the air gap
- 6 of 7. Provide for disinfection in accordance with AWWA Standard C601.
- 7 of 7. Provide for pressure and leakage testing in accordance with AWWA Standard C600.

LRR:jmm 30338.1tr

