

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified.

Permit No. 84-201R  
 SEE SPECIAL CONDITION  
 MA 14068

Meriden Rest Area  
 (Name of Facility)

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

WY Highway Dept.

c/o Gary Brown

5300 Bishop Blvd.

Cheyenne, WY 82002

to construct, install, or modify a state subsurface wastewater treatment and disposal facility according to the procedures and conditions of the application No. 84-201R.

The facility is located in Section 9, T18N, R62W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

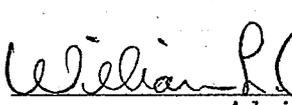
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

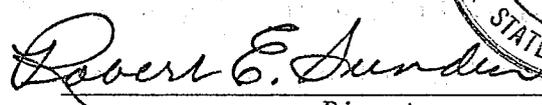
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GASLAND  
Administrative # 1479  
Water Quality Division  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
May 21, 1984  
Date of Issuance

  
ROBERT E. SUNDERS  
NO. 285  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

Condition to Permit to Construct

The permittee shall notify representatives of Laramie County Environmental Health of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Don Pack  
Laramie County Environmental Health  
1700 Snyder Ave.  
Cheyenne, WY 82001  
Telephone: 638-8545

cc: John Parks  
McFall - Konkel & Kimball  
3001 Henderson Dr., Suite M  
Cheyenne, WY 82001

5-8-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Meridan Rest Area, Laramie Co.

ARCHITECT OR ENGINEER: John Parks, McFall - Konkel & Kimball  
3001 Henderson Dr., Suite M, Cheyenne, WY 82001

APPLICANT: Gary Brown, WY Highway Dept.  
5300 Bishop Blvd., Cheyenne, WY 82002

WATER QUALITY DIVISION REFERENCE NUMBER: 84-201

REVIEWING ENGINEER: Thomas S. Norman *T.S. Norman*

DATE OF REVIEW: May 4, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Enclosed are the new standards regarding the design and construction of septic systems as adopted by DEQ. The following are areas of disagreement:
  - a. The drainfield is undersized. Section 38 must be used. With a percolation rate of 60 min/inch, an application rate 0.3 gal/s.f./day is necessary. However we do allow the sidewall area (below the pipe) to be included in the calculation.
  - b. The septic tank is undersized. A 36 hour detention time at peak flow is required. See section 39.
  - c. I question the applicability of the percolation test at a 5 foot depth when the drain field is only going to be 3 feet deep. It appears that there is a change of soil between 3-5 feet.
  - d. An acceptable replacement area must be shown on the plans. See Section 41.
2. The water system does not need a permit to construct as it does not qualify as a public water supply. However, it will fall under EPA's definition of a public water supply. Please contact EPA (303-327-3914) for their requirements.
3. Please address the type of chemicals that are found in RV toilets. How will these affect the septic tank and are they treatable with a septic system? The volume of wastes from this source was not included.

cc: Marc Alston, EPA

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-202  
 Ref. No. 78-335  
 MA 14068

Grove Street Water & Sewer  
 (Name of Facility)

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

Glenrock Development  
933 West 14th Street  
Casper, WY 82601

to construct, install, or modify a public water distribution and wastewater collection systems along Grove Street, Indian Hills Subdivision, Lots 95-110, Glenrock, WY facility according to the procedures and conditions of the application No. 84-202.

The facility is located in Section 5, T33N, R75W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

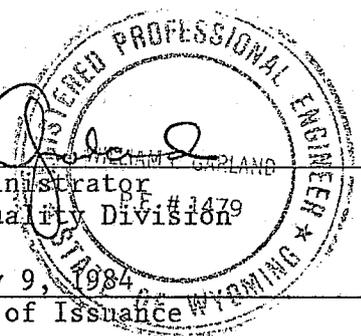
The permittee shall allow authorized representatives from the Department of Environmental Quality; Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

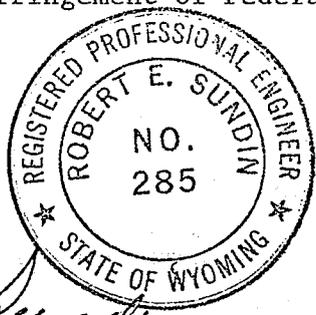
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 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  
May 9, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

cc: C. K. Wolz  
Wolz & Associates, Inc.  
933 W. 14th Street  
Casper, WY 82601

PERMIT TO CONSTRUCT

Permit No. 84-203RR  
SEE SPECIAL CONDITIONS  
MA 14068

- New
- Renewal
- Modified

Cerco Village Subdivision  
(Name of Facility)

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

RCA Land & Development Co.

1626 S. Jefferson

Casper, WY 82601

to construct, install, or modify a Phase I, (20 lots) of Cerco Village Subdivision including municipal water distribution and sewerage collection systems facility according to the procedures and conditions of the application No. 84-203RR. The facility is located in Section 17, T34N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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.

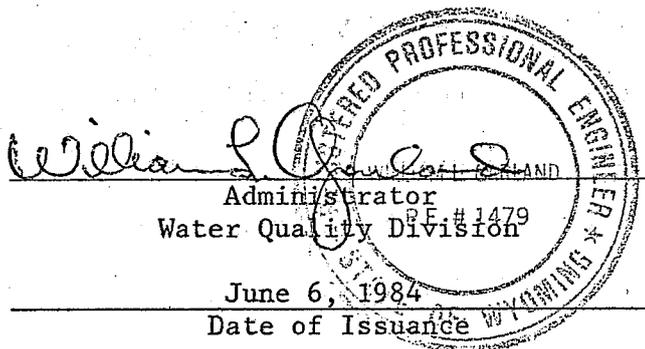
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

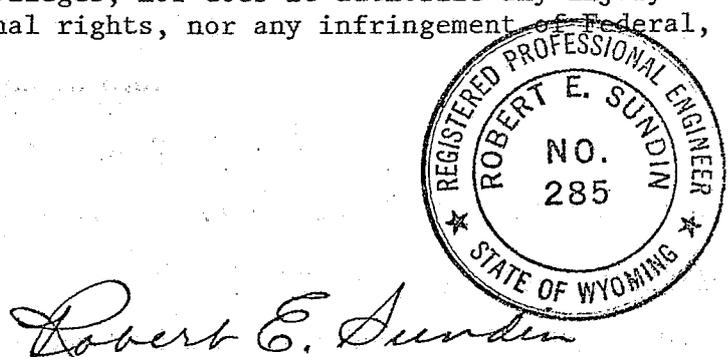
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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AUTHORIZED BY:

  
Administrator  
Water Quality Division  
June 6, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

Condition to Permit to Construct #84-203RR

The Casper Urban Water Quality Management Plan established an urban service area and requires that treatment be provided through a regional system. The facility authorized for construction by this permit and the Town of Bar Nunn are within the regional service area. The permit issued to Bar Nunn Sewer Services, Inc. contains a special condition that the authorized facility is for interim treatment until service is available through the regional wastewater system. At that time the treatment facilities will be abandoned or integrated into the regional system. In accordance with the Casper Urban Water Quality Management Plan, the facilities authorized by this permit will be integrated into the regional system and addition costs and connection fees may be incurred at that time.

cc: Terry L. Titus  
Worthington, Lenhart, Carpenter and Johnson, Inc.  
632 South David St.  
Casper, WY 82601

5-20-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Cerco Village Subdivision, Natrona Co.

ARCHITECT OR ENGINEER: Terry Titus, WLC & J Inc.  
632 So. David St., Casper, WY 82601

APPLICANT: RCA Land & Development Co.  
1626 S. Jefferson, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 84-203R

REVIEWING ENGINEER: Thomas S. Norman *T. Norman*

DATE OF REVIEW: May 29, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. My previous comments concerning the problems with the Casper 201 service area and management plan were not adequately addressed. Until the Bar Nunn Sewer Service and/or the Town of Bar Nunn enters into an agreement or modifies the management plan, a permit cannot be issued for your proposed facilities.
2. My previous comments concerning the capacity and existing flows in the existing 8-inch sewer line was not adequately addressed. Even though BNSS has stated that a 15-inch sewer line will be built from the treatment plant to manhole #4-1, a permit has not been applied for or issued. Based on existing peak flows, a permit will only be issued for that portion of Cerco Village that will not overload the sewers. In addition, the improvements up to manhole #4-1 do not address problems upstream to where Cerco will connect to the sewer (approximately manholde #4-5). Please address the existing flows and which portions of Cerco do you want approval for?

cc: Regional Management Oversight Committee, (Dave Engels, Casper BPU)  
Bob Moore, Wardwell Water & Sewer District  
Bar Nunn Sewer Service  
Larry Robinson, DEQ/WQD

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Cerco Village Subdivision, Natrona Co.

ARCHITECT OR ENGINEER: Terry Titus, WLC & J Inc.  
632 So. David St., Casper, WY 82601

APPLICANT: RCA Land & Development Co.  
1626 S. Jefferson, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 84-203

REVIEWING ENGINEER: Thomas S. Norman *T.S. Norman*

DATE OF REVIEW: May 11, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Sewer Facilities

- a. The proposed subdivision is located within the Casper 201 service area and must comply with the management plan as established by the local entities.

The Bar Nunn Sewer Services Inc. was issued a construction permit (#80-352R) on October 8, 1980 for their wastewater treatment facilities. The permit contains special conditions which specify that the wastewater facility is the interim treatment until service is available through the regional wastewater system. Bar Nunn Sewer Service agreed to execute an agreement with the appropriate management agency for the regional wastewater system by March 30, 1981. To our knowledge such an agreement has not been developed or executed. Since the agreement would impact your subdivision as well as any other permits relating to the Bar Nunn facility, your permit to construct application cannot be authorized until this agreement is in place or the plan for the regional wastewater system is amended. You may wish to contact the Bar Nunn Sewer Services and the Regional Management Oversight Committee (c/o Dave Engels, Casper BPU) as to the status of that agreement.

- b. Design information was not submitted as to the impact of this subdivision on the wastewater treatment facility (i.e., design capacity, existing capacity, committed capacity to other subdivisions, etc.).
- c. Design information was not submitted as to the proposed average daily, peak daily and peak hourly flows and the carrying capacity of the proposed and downstream sewers. The subdivision appears to overload the existing 8-inch sewer. What is the flow in the existing sewer and what other platted areas discharge into it (i.e., school site, Bar Nunn Ranch Subdivision, Capshaw Addition, etc.) and their respective capacities.
- d. A letter of acceptance from Bar Nunn Sewer Service is necessary stating they will accept the sewage and that capacity exists to treat it.

- e. The sewer slopes are in error in the following sections: MH-T-7 to MH-BO-2, MH-T-1 to MH-T-2; MH-M-6 to MH-M-7, MH-M-10 to MH-M-11.

2. Water Facilities

- a. A letter of acceptance is necessary from the Wardwell Water & Sewer District stating that they have capacity and that they will supply water to this subdivision.
- b. Design criteria was not submitted stating the maximum daily flow, the peak hourly flow and the fire flow requirements. Design information was not submitted verifying that a 35 psi working pressure and a 25 psi minimum pressure can be met under all operating conditions.

3. General

The Phase 1 dividing line between lots #575 and #576 should be moved as it does not provide for either a manhole for the sewer line or a blowoff for the water main. Moving the dividing line either one lot south or two lots north would be more appropriate.

cc: Regional Management Oversight Committee, (Dave Engels, Casper BPU)  
Bob Moore, Wardwell Water & Sewer District  
Bar Nunn Sewer Service  
Larry Robinson, DEQ/WQD

5-10-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-204  
MA 14068

Hog Park Recreation Facilities  
(Name of Facility)

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

Herman Noe

Cheyenne Board of Public Utilities

P.O. Box 1469

Cheyenne, WY 82001

to construct, install, or modify a wastewater collection and holding tank facility according to the procedures and conditions of the application No. 84-204. The facility is located in Section 8, T12N, R84W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

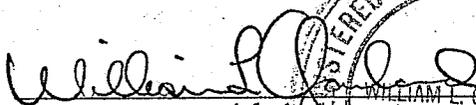
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

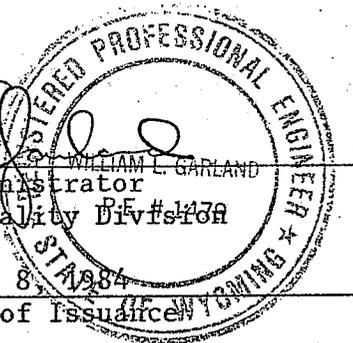
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

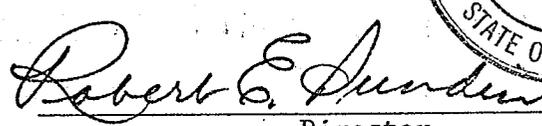
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

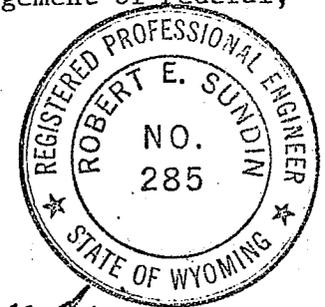
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
PE # 1478  
May 8, 1984  
Date of Issuance



  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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

cc: Maurice E. Block  
Banner Associates  
P.O. Box 550  
Laramie, WY 82070-0550

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 10, 1984

Herman Noe, Director  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne, WY 82001

RE: Hog Park Recreation Facilities, Ref. No. 84-204

Dear Mr. Noe:

Enclosed is the permit to construct for the wastewater facilities at the Hog Park Recreation Facilities. The water system does not require a permit from DEQ as it does not qualify as a public water supply according to the Environmental Quality Act. However, this system may be considered a public water supply under EPA definition and they should be contacted for their specific requirements (303-837-2731).

Sincerely,

A handwritten signature in cursive script that reads "Thomas S. Norman".

Thomas S. Norman  
Water Quality Engineer

TSN/n

cc: Maurice Block, Banner Assoc., P.O. Box 550, Laramie, WY 82070  
Mark Alston, EPA, 1860 Lincoln St., Denver, CO 80295



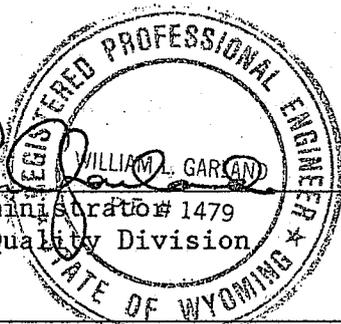
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

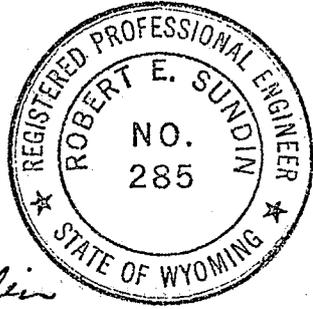
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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AUTHORIZED BY:

  
*William L. Garand*  
WILLIAM L. GARAND  
Administration # 1479  
Water Quality Division  
STATE OF WYOMING  
June 11, 1984  
Date of Issuance

  
*Robert E. Sundin*  
ROBERT E. SUNDIN  
NO. 285  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

JH:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN  
LANDER, WYOMING 82520  
PHONE: (307) 332-3144

PROJECT: Amoco Waterflood Building Wastewater Facility

ENGINEER: Richard Myrick  
P. O. Box 535  
Powell, WY 82435

OWNER: Amoco Production Company  
Powell, Wyoming 82435

WATER QUALITY DIVISION REFERENCE NUMBER: #84-206

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: May 4, 1984

ACTION: **Not authorized.**

COMMENTS: The following questions and comments need to be addressed before a Permit to Construct can be issued:

1. The application form must be signed by an authorized person representing Amoco Production Co. The contractor cannot sign unless he can document that he is responsible for the construction in compliance with the permit and that he is responsible for all operational conditions which may be imposed.
2. How can you insure that there will be no traffic or parking on the leach field?
3. How many persons will use the floodwater building restroom during a normal 24 hour day?
4. The septic tank inlet and outlet pipes must be either schedule 40 PVC or cast iron. Which material do you propose to use?
5. The general notes state that the sewer pipe shall be laid at a minimum slope of 1/4 inch per foot and shall not be flatter than 1/8 inch per foot. What do you propose the minimum slope to be, 1/4 or 1/8 inch per foot?
6. What are the trenching, bedding, and compaction specifications for the sewer line?

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

JH:dcn

ABC



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 18, 1984

Cardinal Engineering  
2334 Rose Lane  
Riverton, WY 82520

Attention: Garry Burnette

RE: Change Order  
Big Sky Addition Sewer System  
Riverton, Wyoming  
Permit No. 84-207

Dear Mr. Burnette:

Thank you for your recent submittal detailing revisions to the Big Sky Addition Sewer System. We will not need to issue another permit as previously discussed. Please accept this letter as our authorization of the changes.

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

Very truly yours,

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

Ed Baruth, P.E.  
Northwest District Supervisor

EB:dcn

cc: Brad Nelson, City of Riverton  
Jake Strohman, DEQ/WQD Cheyenne  
Norma Coulson, DEQ/WQD Cheyenne ✓  
File



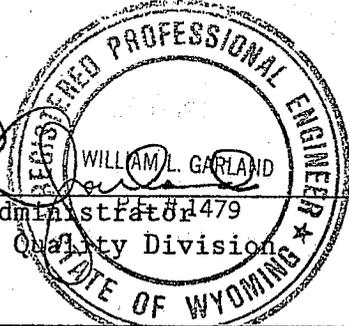
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

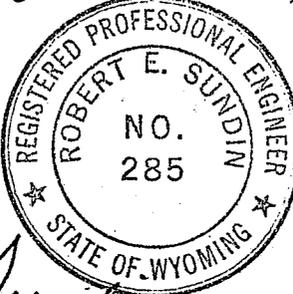
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AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Administrator #1479  
Water Quality Division  
STATE OF WYOMING

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

May 4, 1984  
Date of Issuance

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

JH:dcn

5-21-89

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-208

\* CONDITION ON PERMIT \*

SHERIDAN AVENUE TREATED WATER LINE REPLACEMENT-  
SEWER LINE REPLACEMENT-CITY OF CODY

(Name of Facility)

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

City of Cody

1338 Rumsey Avenue

Cody, WY 82414

to construct, install, or modify a water transmission and sewage collection

facility according to the procedures and conditions of the

application No. 84-208. The facility is located in

Tract 79, T53, R101

in the County of Park,

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

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

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

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

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

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

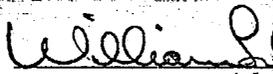
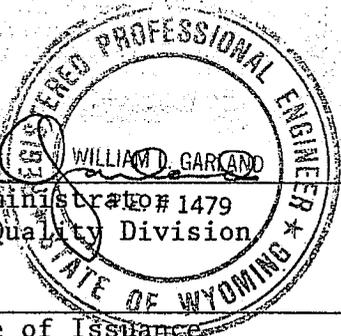
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

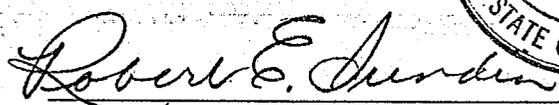
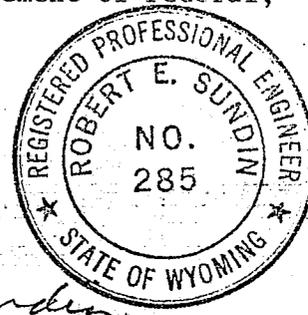
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM D. GARLAND  
Administrative # 1479  
Water Quality Division  
  
May 15, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality  


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

\* CONDITION ON PERMIT \*

1. Applicant hereby agrees to provide "as-built" profile view drawings of the short section of sanitary sewer included in this project. Further, minimum grades and proper separation of water and sewer lines will be maintained, all in accordance with Chapter 11, Department of Environmental Quality, Water Quality Division Rules and Regulations.

EB:dcn

5-15-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-209R  
 Ref.No. 83-368  
 MA 14068

Burger King Water Main Extension  
 (Name of Facility)

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

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

to construct, install, or modify a potable water main facility according to the procedures and conditions of the application No. 84-209R. The facility is located in Section 5, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

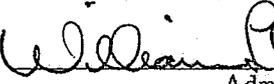
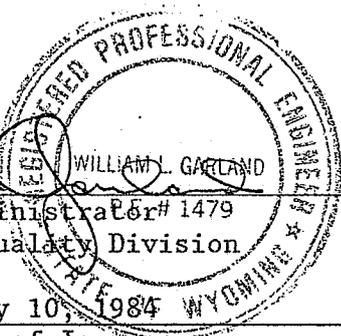
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

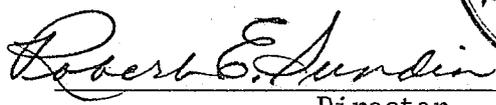
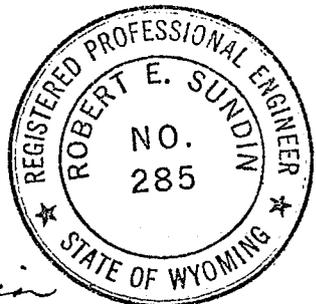
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
May 10, 1984  
Date of Issuance

  
  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality

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

cc: Peter Abplanalp  
Intermountain Professional Services, Inc.  
2206 Pioneer Ave.  
Cheyenne, WY 82001

5-8-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Burger King Water Main Extension, Laramie Co.

ARCHITECT OR ENGINEER: Intermountain Professional Services, Inc.  
2206 Pioneer Ave., Cheyenne, WY 82001

APPLICANT: Cheyenne Board of Public Utilities  
2100 Pioneer Ave., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 84-209.

REVIEWING ENGINEER: Theodore D. Coyer, P.E. *Theodore D. Coyer*

DATE OF REVIEW: May 3, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An air release valve is needed at station 3+34 or rearrange the pipe grade to eliminate the area where air can be trapped.
2. Only 4 feet of cover will be provided at station 2+00. How will you protect this section of pipe from freezing?

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-210  
SEE SPECIAL CONDITION

Bridger Valley Electric Septic Sewer  
(Name of Facility)

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

Bridger Valley Electric

P.O. Box 399

Mountain View, WY 82939

to construct, install, or modify a 1000 gallon septic tank, dosing system and mound absorption system facility according to the procedures and conditions of the application No. 84-210. The facility is located in Section 1, T15N, R115W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

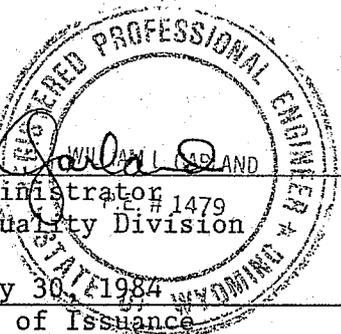
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

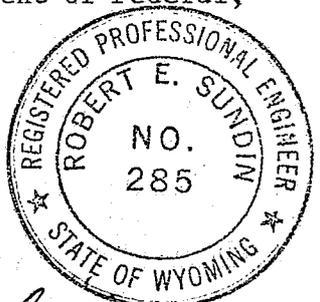
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, WY 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:

  
*William L. Garland*  
Administrator  
Water Quality Division  
E. # 1479  
May 30, 1984  
Date of Issuance

  
*Robert E. Sunden*  
Director  
Dept. of Environmental Quality

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

Condition to Permit to Construct

The permittee shall notify representatives of the Uinta County Planning Office of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

William Cates  
Uinta County Sanitarian  
P.O. Box 895  
Evanston, WY 82930  
Telephone: 789-9387

cc: Dale E. Davenport  
Rocky Mountain Engineering  
P.O. Box 805  
Evanston, WY 82930



*Department of Environmental Quality*

*Water Quality Division*

MA 14068

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TÉLEPHONE 307 777-7781

July 16, 1984

84-211

Mr. Bruce Claubaugh  
Natrona County Health Department  
1200 East 3rd Street  
Casper, WY 82601

Dear Bruce:

Per our telephone conversation on July 13, 1984, and pursuant to the Natrona County and the Department of Environmental Quality Delegation Agreement, I am turning the Bell Petroleum project over to you for compliance with the minimum design standards for on-site wastewater systems. Article X of the delegation agreement states that the County is the primary enforcement authority concerning violations and thus we turn this project over to you for follow-up action.

Sincerely,

Thomas S. Norman  
Water Quality Engineer

TSN/sk

cc: Larry Robinson, DEQ  
G. W. Reidenback, Casper Regional Manager  
Bell Petroleum

5-9-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Bell Petroleum Services Office Bldg., Natrona Co.

ARCHITECT OR ENGINEER: Colin Cunningham  
Box 1541, Mills, WY 82644

APPLICANT: Bell Petroleum Services  
P.O. Box 2652, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 84-211 (As Built)

REVIEWING ENGINEER: Thomas S. Norman *T. Norman*

DATE OF REVIEW: May 8, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Since your business is located within the City of Casper 201 Wastewater Planning Area, the City of Casper and Natrona County have requested that you contact them concerning connection to the regional sewer system. A letter from the City/County is necessary stating whether or not your connection is required at this time. If the City/County states that your connection to the central system is not necessary at this time, then refer to the following comments and resubmit this information to this office for further review of your application.

Please contact Dave Engels, Chairman of the Management Oversight Committee, c/o Casper BPU, for information regarding the exemption.

- 2. The regulations require distribution piping within the seepage pit.
- 3. Percolation data was not submitted to determine the minimum size of the drainfield.
- 4. Information was not submitted as to the reasons for the first bed failing.
- 5. The depth to groundwater and bedrock was not addressed. A minimum separation of 4 feet is needed from the bottom of the drainfield to these restrictive layers.
- 6. Two complaints were received concerning this disposal system. Both stated that the pit is considerably deeper than the 6.5 feet stated and also that wastes (inorganic and organic) from the laboratory were being disposed of in the drainfield. These contradictions to your plans need to be addressed.
- 7. Were chemicals from the laboratories disposed down the drains in the past? What prevents their further usage? What types of chemicals are used or stored on-site? A plumbing diagram would verify that the lab is not connected to the drainfield.
- 8. What are the details and dimensions of the "leg" that extends from the main drainfield? Why was this installed?

9. The regulations do not allow an impervious layer (6 mil plastic sheet) to be placed above the drainrock.
10. The regulations require the drainfield bottom to be flat. A 4% grade (1:25) is quite steep.
11. You are reminded that a violation is still pending against you. Please respond promptly to avoid further action. Thirty days seems reasonable.

cc: Steve Kurtz, Mills Planner, WLC & J, 632 S. David St., Casper, WY 82601  
Nix Anderson, County Sanitarian, 1200 East 3rd, Casper, WY 82601-2990  
Dave Engels, Casper BPU, 200 N. David St., Casper, WY 82601

5-11-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-212

MA 14068

16-inch Water Main Replacement  
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a potable water main facility according to the procedures and conditions of the application No. 84-212. The facility is located in Section 11, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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.

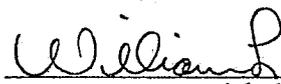
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

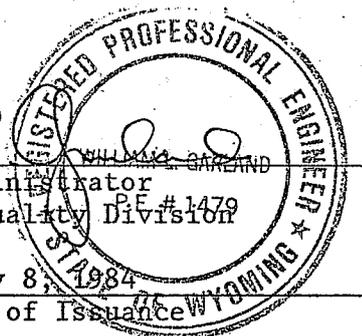
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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.

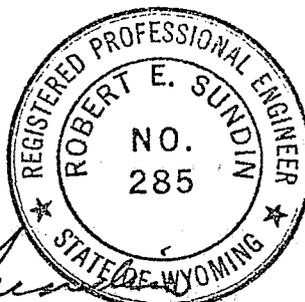
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
P.E. # 1479  
May 8, 1984  
Date of Issuance



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



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

cc: David W. Hill  
Casper Board of Public Utilities  
200 North David Street  
Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-213R  
MA 14068

Country Estates Water System  
(Name of Facility)

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

Town of Glenrock

P.O. Box 417

Glenrock, WY 82637

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 84-213R. The facility is located in Section 4, T33N, R75W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

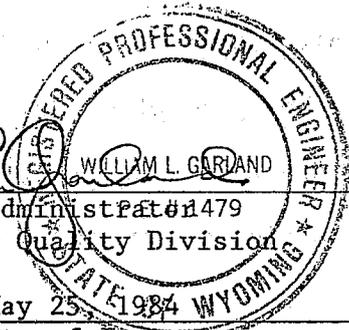
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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.

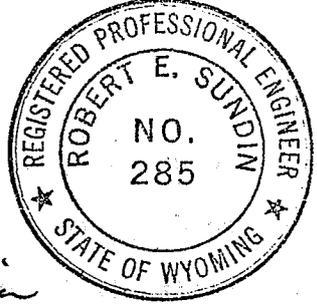
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrative #1479  
Water Quality Division  
MAY 25 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

cc: Albert Nelson  
Town Engineer  
P.O. Box 417  
Glenrock, WY 82637

5-11-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Country Estates Water System, Converse Co.

ARCHITECT OR ENGINEER: Robert Norton, Nelson Engineering  
P.O. Box 1599, Jackson, WY 83001

APPLICANT: Town of Glenrock  
P.O. Box 417, Glenrock, WY 82637

WATER QUALITY DIVISION REFERENCE NUMBER: 84-213

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. 

DATE OF REVIEW: May 9, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Please submit an application form for the as built construction plans.



5-25-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-214  
 SEE CONDITIONS ATTACHED TO THIS PERMIT  
 MA 14068

Telephone Pass Unit #1  
 (Name of Facility)

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

ARCO Oil and Gas Co.

P.O. Box 5540

Denver, CO 80217

to construct, install, or modify a drilling fluids reserve pit facility according to the procedures and conditions of the application No. 84-214. The facility is located in SE1/4 NE1/4 Section 25, T35N, R116W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of one 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 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.

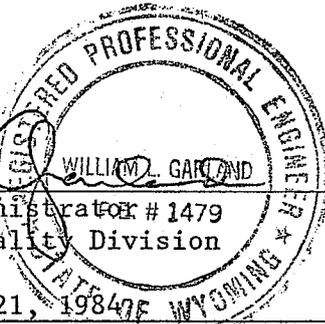
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

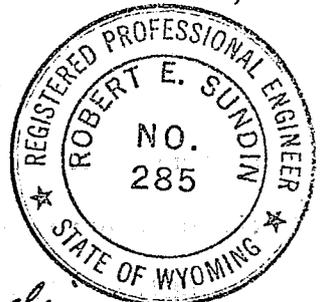
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
May 21, 1984  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

This permit authorizes you to dispose of 210,000 gallons of drilling fluid wastewater on the surrounding 40 acres, a total liquid application of 0.19 inches.

CONDITIONS TO PERMIT TO CONSTRUCT

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. To assess the long term effects of the wastewater application on the soil and its relation to revegetation success on denuded areas, the seed mix (% of selected species), seed rate (lbs. of bulk seed/acre and % pure live seed), mulch and fertilizer preferred by the landowner-lessee or land management agency should be forwarded to E. J. Fanning, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002, within 30 days of receipt of this permit.
5. After dewatering by land application, the permittee must demonstrate, before backfilling, that the residual solid wastes will remain hydrologically isolated, i.e. by virtue of the surrounding soil matrix or bedrock, or by installation of artificial clay liners and/or caps. Failure to demonstrate this will necessitate the excavation of the pit wastes and haulage to an approved disposal site.

If wastes are to be retained in the pit, an analysis of a mud sample, composited by the same techniques as described in section 8 of the one-time land application form and the DEQ sampling card, must be submitted in a timely manner to the responsible agency personnel (E. J. Fanning).

*Reviews*

THE STATE OF WYOMING



ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Robert Sundin  
William Garland  
File

FROM: E. J. Fanning, Soils Specialist *EJF*

DATE: June 4, 1984

SUBJECT: Permit #84-214

This is to inform you that I have revised the total wastewater volume, land area and application rate on the attachment to this permit. The reason for the change is that the 210,000 gallons indicated in item #7 on the application form is followed by "per day" which is obscured by the stapling. If this disposal rate is adhered to, dewatering of the pit should be accomplished over an eight day period. Application to snow covered sites, especially on steep slopes, has been discouraged by this agency, although the USFS does not seem to have a great concern with it. If the treatment company is following my recommendation, the pit water will be disposed of on the sagebrush-dominated sites, which at this time of year are usually the first areas free of snow due to their solar exposure.

This permit authorizes you to dispose of 1,680,000 gallons of drilling fluid wastewater on the surrounding 160 acres, a total liquid application of 0.39 inches.

(Revised 6/4/84)

CONDITIONS TO PERMIT TO CONSTRUCT #84-214

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. To assess the long term effects of the wastewater application on the soil and its relation to revegetation success on denuded areas, the seed mix (% of selected species), seed rate (lbs. of bulk seed/acre and % pure live seed), mulch and fertilizer preferred by the landowner-lessee or land management agency should be forwarded to E. J. Fanning, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002, within 30 days of receipt of this permit.
5. After dewatering by land application, the permittee must demonstrate, before backfilling, that the residual solid wastes will remain hydrologically isolated, i.e. by virtue of the surrounding soil matrix or bedrock, or by installation of artificial clay liners and/or caps. Failure to demonstrate this will necessitate the excavation of the pit wastes and haulage to an approved disposal site.

If wastes are to be retained in the pit, an analysis of a mud sample, composited by the same techniques as described in section 8 of the one-time land application form and the DEQ sampling card, must be submitted in a timely manner to the responsible agency personnel (E. J. Fanning).



THE STATE OF WYOMING

MA 14068

ED HERSCHLER  
GOVERNOR

## Department of Environmental Quality

### Water Quality Division

2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

May 29, 1984

Mr. Steve Mueller  
Wyodak Resources Development Corporation  
Garner Lake Route  
Gillette, Wyoming 82716

Dear Steve:

I have reviewed the as-built plans for your recently constructed Sedimentation Control Structure. I also observed the structure during my inspection of May 23, 1984.

The plans and the sediment trap are acceptable and are hereby approved. Since the structure is already built, a Permit to Construct cannot be issued. This letter, however, serves essentially the same purpose and should be kept on file. Your submittal has been assigned No. 84-215.

Call me if you have any questions.

Sincerely,

*Tom Mueller for*

Rich Ruyle  
Environmental Engineer

RR:ls

Enclosure

xc: Norma Coulson

*As Built  
approval*

Water Quality Division  
Groundwater Section  
Permit Application Review

Norma  
Returned to  
Skeldon  
5-11

Application Number: 84-215  
Date Submitted For Review: 5-11-84  
Name and Location of Facility: WYODAK RESOURCES  
Sediment Control Structure - 1984 Stripping Area  
Sec 28 T 50N R 71W  
CAMPBELL Co.

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed: *Richard L. ...*  
Title: *Eng. Eval.*  
Date: 5-11-84

Approved: 5/11/84  
(Date)

*ajm*  
(Signed)  
Groundwater Control Supervisor

PERMIT TO CONSTRUCT

New

CONDITIONED

Permit No. 84-216RR  
MA 14089

Renewal

Modified

PHASE IA ENLARGEMENT TEXASGULF TAILINGS RESERVOIR  
(Name of Facility)

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

Texasgulf Chemicals Company

P. O. Box 100

Granger, WY 82934

to construct, install, or modify a southern dike (west length 2,450 feet, elevation 6,518 feet) enlarge existing northern dike (crest length 2,560 feet elevation 6,518 feet) facility according to the procedures and conditions of the

application No. 84-216RR. The facility is located in \_\_\_\_\_

Section 8, T20N, R110W

\_\_\_\_\_ in the County of Sweetwater,

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

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

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

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

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

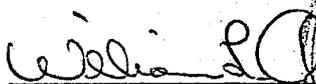
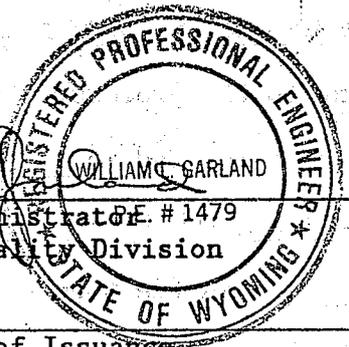
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

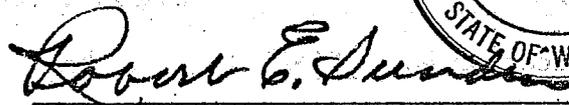
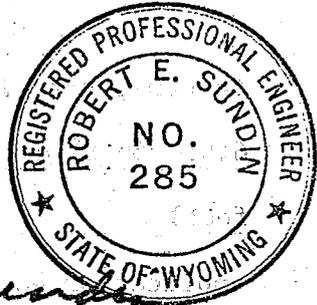
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM GARLAND  
Administrator # 1479  
Water Quality Division  


  
Director  
Dept. of Environmental Quality  


August 9, 1984

Date of Issuance

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

CONDITION OF PERMIT

Information supplied to this office indicates a direct communication between the existing tailings impoundment and a seepage plume detected by down gradient test wells. Construction on the proposed dikes should not effect the rate of seepage. However, water levels in Ponds 3B and 3C shall not increase to an elevation greater than 6,512 feet until the permanent mitigation structures have been completed.

JB:dcn

MEMORANDUM

TO: Texasgulf Tailings Reservoir Enlargement Phase IA  
DEQ/WQD Ref. 84-216R

FROM: Jack Bedessem *JB*

DATE: July 30, 1984

SUBJECT: Phone Review with Paul Hynes of Texasgulf

Texasgulf originally submitted two binders which included unsigned plans and specifications. Three complete (signed) sets of plans and specifications were requested in the June 18, 1984 review letter.

On June 29, 1984, DEQ/WQD received three sets of signed construction plans. On July 30, 1984, I called and informed Paul Hynes (Texasgulf) that three sets of signed specifications were needed before a "Permit to Construct" could be issued.

JB:den

*ABC*

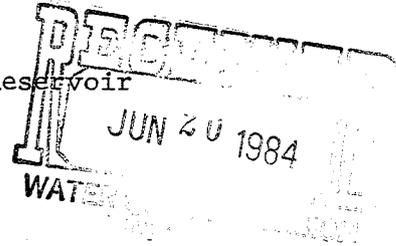
REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
165 E. Railroad Ave.  
Green River, Wyoming 82935  
Phone: (307) 875-6911

PROJECT: Phase IA - Enlargement of Texasgulf Tailings Reservoir

ENGINEER: Corwin E. Oldweiler  
IT Corporation  
7400 S. Aton Court  
Englewood, CO 80112

OWNER: Texasgulf Chemicals Company  
P. O. Box 100  
Granger, WY 82934



WATER QUALITY DIVISION REFERENCE NUMBER: 84-216

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: June 18, 1984

ACTION: Not Authorized.

COMMENTS: An initial review of your plans and specifications has been completed. The following items need to be addressed and/or resolved:

1. The plan sheets and specifications need to be signed by a registered Wyoming Professional Engineer.
2. Three complete (signed) sets of plans and specifications are needed with the application for "Permit to Construct".
3. The permit application states that Phase IA construction is to be completed in 1984, and that the northern and southern mitigation structures are to be constructed in 1985.
  - (a) Address water level (elevations) increases in Ponds 3B and 3C, during the interim, with respect to the possibility of increased seepage.
  - (b) It is recommended that the water levels in Pond 3B and 3C not be significantly increased until the mitigation structures (Phase IB) are completed.

Please submit the required information and revised drawings to this office, in triplicate. If you have any questions please feel free to contact me.

JB:mpm

cc: Kate Laudon  
Tony Mancini

*ABC*

Kate kept plans  
Comments  
sent 6-14-84

Water Quality Division  
Groundwater Section  
Permit Application Review

Application Number 84-216

Date Submitted For Review 5-17-84

Name and Location of Facility Texas-Gilby Chemicals Co.  
Permit to Construct Phase IA  
Granger Wyoming

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed Kate Laudon

Title Engineer, Evaluator

Date 6-12-84

Approved 6/12/84  
(Date)

AM  
(Signed)  
Groundwater Control Supervisor

MEMORANDUM

TO: Jack Bedessem, Southwest District Supervisor

FROM: Kate Laudon, Engineer Evaluator *Kg L*

DATE: June 12, 1984

SUBJECT: Groundwater review, Texas-Gulf Chemicals Co. Permit to Construct Phase IA, DEQ/WQD Ref. No. 84-216

Information included in the permit application indicates direct communication between the water surface of the existing tailing impoundment, and drill holes completed in the weathered zone NW of the existing dike. It does not appear that proposed construction on the existing dike will contribute to additional seepage through the weathered zone. However, water levels should not be raised in the existing tailings pond until the mitigation structures are in place.



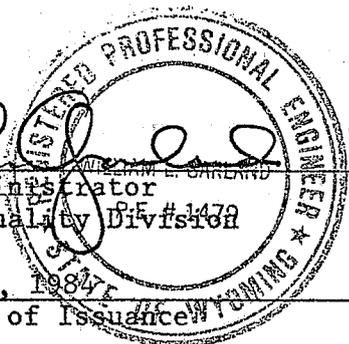
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

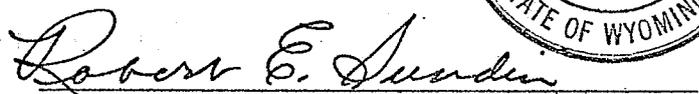
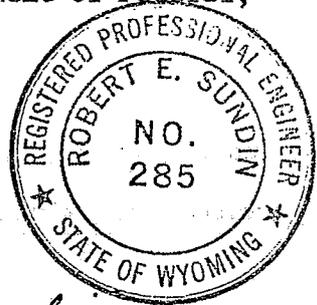
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:

  
\_\_\_\_\_  
Adminstrator  
Water Quality Division P.E. #1479  
June 14, 1984  
Date of Issuance  


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


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

JB/JH:mpm

cc: Larry Wester  
Anderson & Kelly, Inc.  
P. O. Box 29  
Laramie, WY 82070

5-25-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-218  
MA 14068

Cheyenne Round Top Water Plant - Post Chlorination  
(Name of Facility)

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

Cheyenne Board of Public Utilities

Box 1469

Cheyenne, WY 82003

to construct, install, or modify a municipal water treatment plant with post-chlorination capabilities facility according to the procedures and conditions of the application No. 84-218. The facility is located in Section 16, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and 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, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator #1479  
Water Quality Division  
STATE OF WYOMING  
May 21, 1984  
Date of Issuance

  
ROBERT E. SUNDIN  
NO. 285  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

cc: Carroll Aamold  
Cheyenne Board of Public Utilities  
Box 1469  
Cheyenne, WY 82003



*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 25, 1984

Gary Hickman  
Laramie County Health  
1700 Snyder  
Cheyenne, Wyoming 82001

Re: Mountain View Memorial Park  
Construction Permit #84-219

Dear Gary:

This is the follow-up letter you requested concerning the construction of the wastewater holding tank for the Mountain View Memorial Park (c/o Tom Daniels). As agreed, the 21 feet separation between the holding tank and an irrigation water line is acceptable. Also, the other water line (5' - 7' separation) must be plugged and abandoned before the project is acceptable.

Please call if you have questions.

Sincerely,

A handwritten signature in cursive script that reads "Thomas S. Norman".

Thomas S. Norman  
Water Quality Engineer

TSN/jn

cc: O & M File - Laramie County General  
Construction Permit Application File #84-219 ✓

5-25-87

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-219R  
 SEE SPECIAL CONDITION  
 MA 14068

Mountain View Memorial Park  
 (Name of Facility)

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

Tom Daniels

1780 Westland Road

Cheyenne, WY 82001

to construct, install, or modify a commercial wastewater holding tank facility according to the procedures and conditions of the application No. 84-219R. The facility is located in NW1/4 Section 6, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

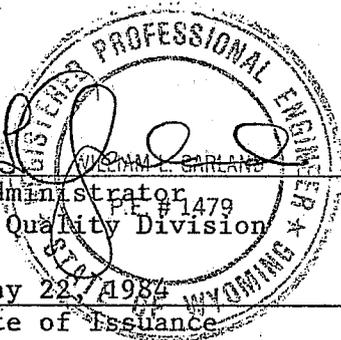
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

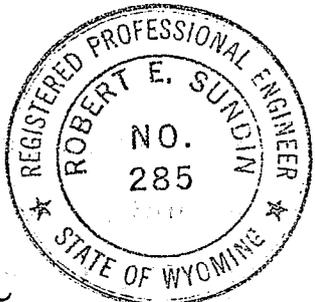
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
PE # 1479  
May 22, 1985  
Date of Issuance  


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

Condition to Permit to Construct

The permittee shall notify representatives of Laramie County Environmental Health of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Don Pack  
Laramie County Environmental Health  
1700 Snyder Ave.  
Cheyenne, WY 82601  
Telephone: 638-8545

cc: Jon L. Anderson  
AVI  
1700 Westland Road  
Cheyenne, WY 82001

5-16-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Mountain View Memorial Park, Laramie Co.

ARCHITECT OR ENGINEER: Jon Anderson, AVI  
1700 Westland Road, Cheyenne, WY 82001

APPLICANT: Tom Daniels  
1780 Westland Road, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 84-219

REVIEWING ENGINEER: Thomas S. Norman *T. Norman*

DATE OF REVIEW: May 15, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Since your business is located within the City of Cheyenne 201 Wastewater Planning Area, the City of Cheyenne and Laramie County has requested that you contact them concerning connection to the regional sewer system. A letter from the City/County is necessary stating whether or not your connection is required at this time. If the City/County states that your connection to the regional system is not necessary at this time, then refer to the following comments and resubmit this information to this office for further review of your application.
2. Enclosed are the new regulations relating to holding tanks. Please address the following areas:
  - a. Section a - allowable use and size
  - b. Section b - acceptance letter
  - c. Section d - vent and isolation
  - d. Section e - alarm
3. The plans were not signed or sealed by a Wyoming registered engineer.



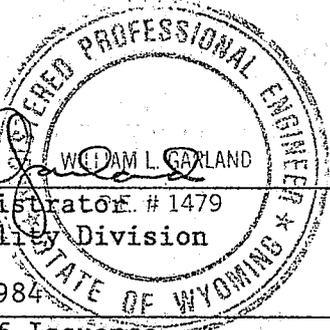
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

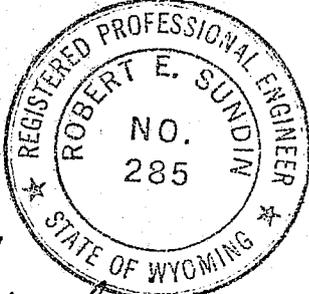
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
May 30, 1984  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

JB/JH:mpm

cc: Robert L. Farnsworth  
Mountain Engineering  
P. O. Box 2722  
Jackson, WY 83001



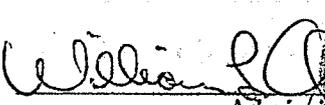
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

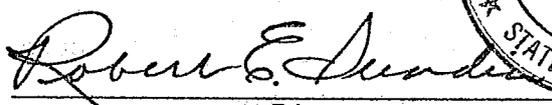
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator, E. # 1479  
Water Quality Division  
STATE OF WYOMING  
June 15, 1984  
Date of Issuance

  
ROBERT E. SUNDIN  
NO. 285  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

JH/JB:mpm

cc: Roger L. Raeburn  
Pacific Power & Light Co.  
920 S.W. Sixth Avenue  
Portland, OR 97204

5-4-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-222  
MA 14089

15th Street Water Main Replacement  
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a potable water main facility according to the procedures and conditions of the application No. 84-222. The facility is located in Sections 11 and 13, T33N, R79W in the County of Natrona, in the State of Wyoming.

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

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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.

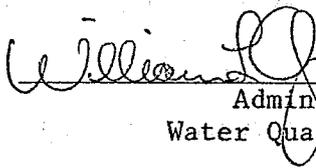
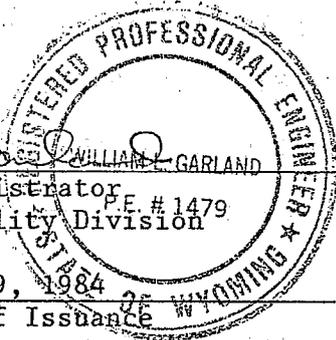
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

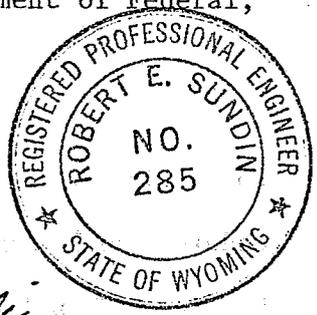
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
P.E. # 1479  
MAY 29 1984  
Date of Issuance  


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

cc: David R. Butzier  
CEI, Inc.  
P.O. Box 2000  
Casper, WY 82602



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

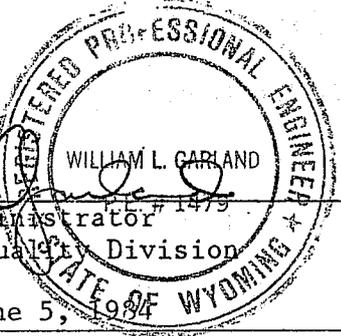
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

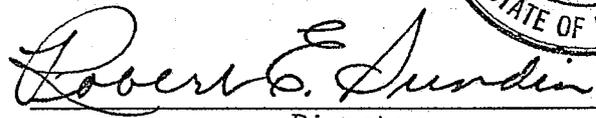
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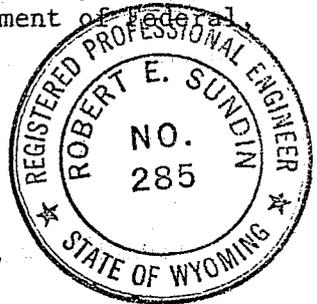
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
June 5, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

xc: Town of Moorcroft

6-4-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-224  
 SEE SPECIAL CONDITION  
 MA 14068

Junction Cafe and Store Septic System  
 (Name of Facility)

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

Larry K. Sims  
P.O. Box 1044  
Lander, WY 82520

to construct, install, or modify a septic tank/leach field facility according to the procedures and conditions of the application No. 84-224. The facility is located in Lot 4, Ellis Estates Subdivision, SW1/4 SW1/4 Section 21, T33N, R99W in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

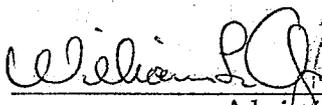
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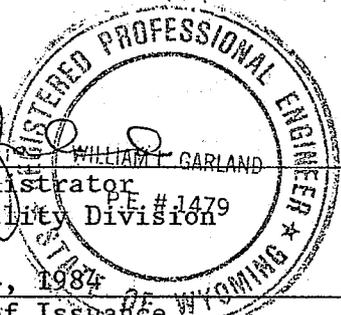
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

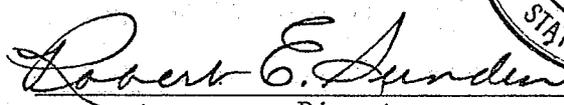
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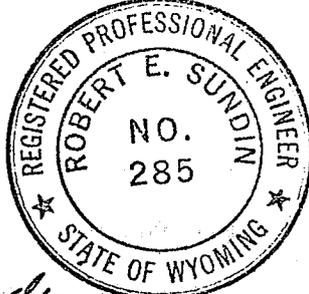
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AUTHORIZED BY:

  
WILLIAM T. GARLAND  
Administrator  
Water Quality Division  
PE # 1479  
May 24, 1984  
Date of Issuance



  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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

Condition to Permit to Construct

The permittee shall notify representatives of the Fremont County Planning Office of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Ronald A. Martin  
Fremont County Planner  
Room 200, Courthouse  
Lander, WY 82520  
Telephone: 332-5371



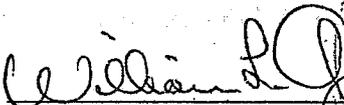
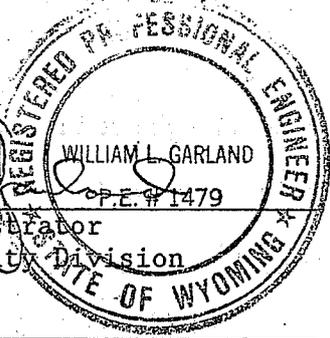
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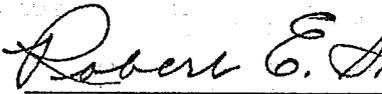
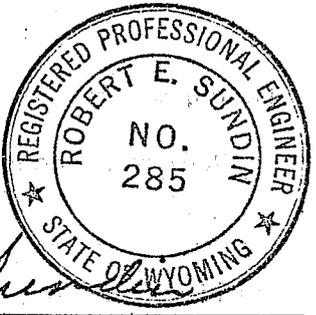
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
C.P.E. # 1479  
Administrator  
Water Quality Division  


  
ROBERT E. SUNDIN  
NO. 285  
Director  
Dept. of Environmental Quality  


June 15, 1984

Date of Issuance

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

\* CONDITION ON PERMIT \*

The permittee shall notify representatives of the Teton County Planning Office of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Joe Chalfant  
Teton County Sanitarian  
P. O. Box 1727  
Jackson, WY 83001  
(Phone: 733-3959)

EB:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN  
LANDER, WYOMING 82520  
PHONE: (307) 332-3144

PROJECT: Grey Water Leachfield  
Red Top Meadows Residential Treatment Center

ENGINEER: Nelson Engineering  
Box 1599  
Jackson, WY 83001

OWNER: Don Moyer  
Box 369  
Wilson, WY 83014

WATER QUALITY DIVISION REFERENCE NUMBER: #84-225

REVIEWING ENGINEER: Ed Baruth, P.E., Northwest District Supervisor *Ed*

DATE OF REVIEW: May 22, 1984

ACTION: **Not authorized.**

COMMENTS: This office recently received your application to install a leach bed for grey water disposal at the Red Top Meadows Site. Current regulations require pretreatment of wastewaters whether grey or black water types. We certainly do appreciate your concern to properly handle wastes generated at your site.

While the present unmodified system noted on your submittal is not subject to the new regulations you used on this design, it seems that it may be small, and could possibly cause problems. This department will work with you to most effectively handle your wastewater problems. However, we cannot permit the installation of such a grey water disposal system without pretreatment.

EB:dcn

*ABC*



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

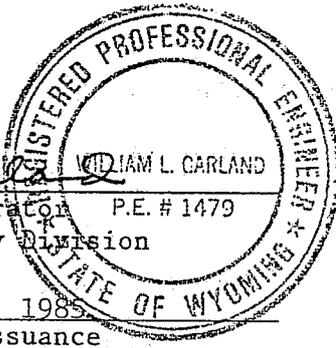
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:

*William L. Garland*  
\_\_\_\_\_  
Administrator P.E. # 1479  
Water Quality Division  
December 13, 1985  
Date of Issuance



*Ralph Wood*  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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

\* CONDITIONS ON PERMIT \*

1. The specifications for this permit state that this facility will be closed and reclaimed during September 1986. Since this facility is only temporary, no ground-water monitoring requirements will be imposed at this time.
  - (a) If for any reason it is suspected that the facility is leaking, this department must be notified immediately.
  - (b) If for any reason this facility is not closed at or before the specified date, this department must be notified and a thorough engineering evaluation of the site will have to be conducted.
2. This office must be notified at least two weeks in advance of closure and reclamation of this facility.
3. Upon closure, any liquid waste to be disposed from this facility must be authorized by this department.
4. If materials, to be disposed of, have been erroneously designated nonhazardous wastes, are discovered to be hazardous wastes, proper disposal practices must be implemented under the direction of this department.

copy: Tony Mancini  
Charles Porter



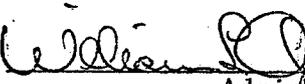
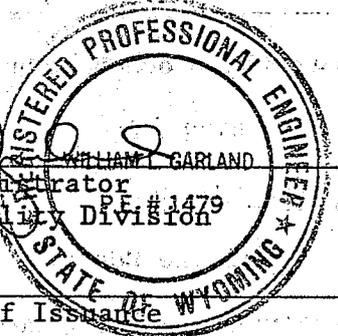
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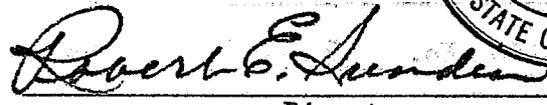
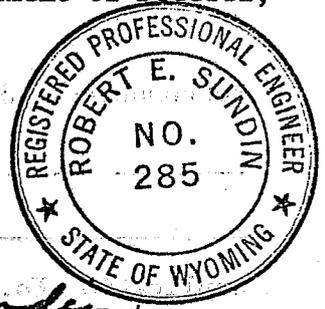
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AUTHORIZED BY:

  
WILLIAM GARLAND  
Administrator  
Water Quality Division  
PE # 1479  


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


July 31, 1984

Date of Issuance

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

CONDITIONS OF PERMIT

1. The specifications for this permit state that this facility will be closed and reclaimed during September 1985. Since this facility is only temporary, no groundwater monitoring requirements will be imposed at this time.
  - (a) If for any reason it is suspected that the facility is leaking, this department must be notified immediately.
  - (b) If for any reason this facility is not closed at or before the specified date, this department must be notified and a thorough engineering evaluation of the site will have to be conducted.
2. This office must be notified at least two weeks in advance of closure and reclamation of this facility.
3. Upon closure, any liquid waste to be disposed from this facility must be authorized by this department.
4. If materials, to be disposed of, have been erroneously designated nonhazardous wastes, are discovered to be hazardous wastes, proper disposal practices must be implemented under the direction of this department.

JB:dcn

cc: Tony Mancini  
Charles Porter

Returned to  
Lunder  
7-20-84

Water Quality Division  
Groundwater Section  
Permit Application Review

Application Number 84-226

Date Submitted For Review 6-1-84

Name and Location of Facility Chevron Carter Creek,  
Temporary Waste Storage Pond  
Sec 6 T18N R119W

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments <sup>below:</sup> ~~attached.~~

Since this is a temporary storage site, no gw monitoring will be required at this time should the proposed facility operate for longer than 1 year, a monitoring program will be initiated.

Signed Kate Lunder

Title Engineer Evaluator

Date 7-17-84

Approved 7/20/84  
(Date)

GJM  
(Signed)  
Groundwater Control Supervisor



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

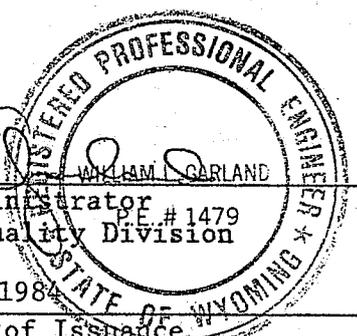
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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.

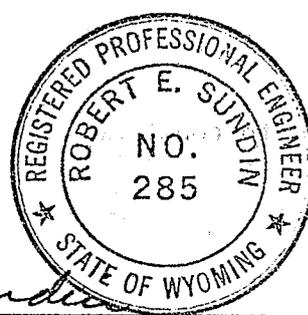
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
P.E. # 1479  
June 15, 1984  
Date of Issuance



  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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

JH/JB:mpm

cc: Rick Johnston  
Gust & Johnston  
2232 Del Range - Suite 203  
Cheyenne, WY 82009

5-31-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-228  
 SEE CONDITIONS ATTACHED TO THIS PERMIT  
 MA 14068

Greer #1 Land Application  
 (Name of Facility)

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

Home Petroleum

3167 S. Energy Lane

Casper, WY 82601

to construct, install, or modify a one time land application of drilling fluids facility according to the procedures and conditions of the application No. 84-228.

The facility is located in NW1/4 SW1/4 Section 7, T48N, R70W in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of one 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 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.

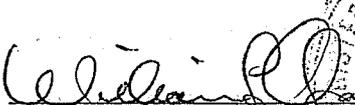
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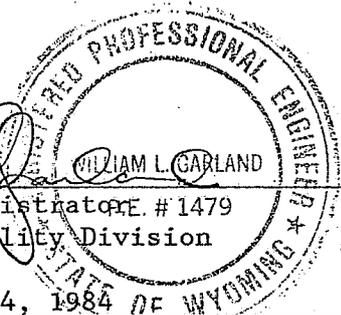
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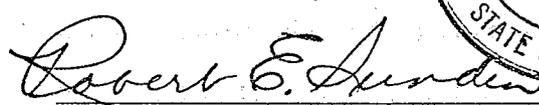
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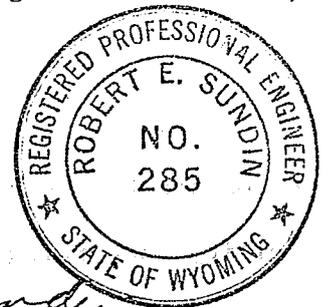
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator, E. # 1479  
Water Quality Division  
May 24, 1984  
Date of Issuance



  
Robert E. Sundin  
Director  
Dept. of Environmental Quality



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

This permit authorizes you to dispose of 586,570 gallons of drilling fluids wastewater on the surrounding 40 acres.

CONDITIONS TO PERMIT TO CONSTRUCT

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. To assess the long term effects of the wastewater application on the soil and its relation to revegetation success on denuded areas, the seed mix (% of selected species), seed rate (lbs. of bulk seed/acre and % pure live seed), mulch and fertilizer preferred by the landowner-lessee or land management agency should be forwarded to E. J. Fanning, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002, within 30 days of receipt of this permit.
5. After dewatering by land application, the permittee must demonstrate, before backfilling, that the residual solid wastes will remain hydrologically isolated, i.e. by virtue of the surrounding soil matrix or bedrock, or by installation of artificial clay liners and/or caps. Failure to demonstrate this will necessitate the excavation of the pit wastes and haulage to an approved disposal site.  
  
If wastes are to be retained in the pit, an analysis of a mud sample, composited by the same techniques as described in section 8 of the one-time land application form and the DEQ sampling card, must be submitted in a timely manner to the responsible agency personnel (E. J. Fanning).
6. The permittee shall inform the landowner or leaser of the potential for detrimental effects to livestock should the water be ingested. This water is high in chromium and could cause sickness or death. The cattle should be kept away until the ponded water has evaporated or leached into the soil.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-229  
 Ref. No. 83-426RRRR  
 SEE CONDITIONS ATTACHED  
 MA 14506

Jirdon Wyoming Livestock Feedlot - Phase II  
 (Name of Facility)

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

Mr. Donald Steen

Jirdon Wyoming Livestock Company

P.O. Box 456

Morrill, NE 69358

to construct, install, or modify a commercial wastewater collection and groundwater monitoring program facility according to the procedures and conditions of the application No. 84-229. The facility is located in Section 19, T24N, R60W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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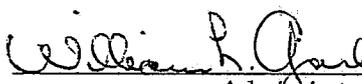
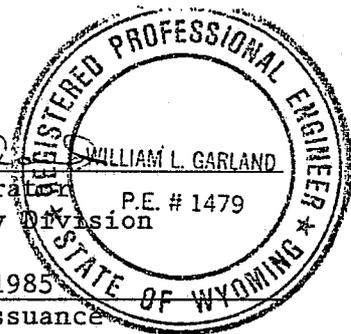
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

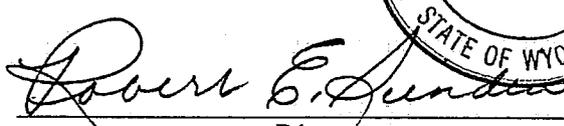
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

  
\_\_\_\_\_  
Administrators  
Water Quality Division  
P.E. # 1479  
WILLIAM L. GARLAND  


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


May 15, 1985  
Date of Issuance

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

cc: M.C. Schaff, M.C. Schaff & Assoc., Inc., Route 2, Box 118, Scottsbluff, NE 69361  
A. J. Mancini, DEQ/WQD, Cheyenne  
Tom Williams, DEQ/WQD, Cheyenne

1. Effective immediately, the applicant will institute the groundwater monitoring issued under this permit, and delete those requirements contained in Permit to Construct 83-426RRRR, issued January 27, 1984.
2. The applicant shall comply with the following groundwater quality monitoring program. The applicant shall sample and analyze designated wells for the following parameters: static water level, nitrate-nitrogen (NO3-N), total phosphate (PO4-P), total dissolved solids, and pH. All sampling results must be forwarded to the Water Quality Division, Groundwater Section, by the 15th day of the following month. The Water Quality Division, Groundwater Section, must be notified prior to each sampling event as they may wish to collect split samples.

a. Monthly monitoring program:

<u>Well Number</u>	<u>Well Use</u>	<u>Sampling Frequency</u>
1-M	Monitoring	Monthly
2-M	Monitoring	Monthly
4-M	Monitoring	Monthly
9-M	Monitoring	Monthly
10-M	Monitoring	Monthly
11-M	Monitoring	Monthly
12-M	Monitoring	Monthly
13-M	Monitoring	Monthly
14-M	Monitoring	Monthly

b. Quarterly monitoring program:

<u>Well Number</u>	<u>Well Use</u>	<u>Sampling Frequency</u>
5-M	Monitoring	Quarterly
7-M	Monitoring	Quarterly
8-M	Monitoring	Quarterly
16-M	Monitoring	Quarterly
18-D	Domestic	Quarterly
20-D	Domestic	Quarterly
22-D	Domestic	Quarterly
27-D	Domestic	Quarterly

3. The above detailed groundwater quality monitoring program will be amended, as necessary, depending upon monitoring data results.
4. The applicant shall use sampling and analysis protocol acceptable to the Water Quality Division. Details may be obtained from the Groundwater Section, (307) 777-7781.
5. If groundwater monitoring wells 13-M, 2-M, or 1-M, or a combination thereof, indicates a nitrate-nitrogen concentration in excess of 10 mg/l for 2 months in succession, then groundwater monitoring well 16-M shall be sampled monthly and feedlot operating procedures should be modified; and/or
6. If groundwater monitoring well 16-M indicates a nitrate-nitrogen concentration in excess of 10 mg/l attributable to the feedlot operation one time, one or more new groundwater monitoring wells shall be installed immediately between 16-M and the domestic use wells; and

7. If the new groundwater monitoring well(s) indicate nitrate-nitrogen concentration(s) in excess of 10 mg/l one-time, corrective feedlot management/operation action(s) shall be taken immediately.

A.

MEMORANDUM

TO: LeRoy Feusener

FROM: <sup>AWM</sup> A.J. Mancini

DATE: May 1, 1985.

SUBJECT: Groundwater Monitoring, Jirdon Cattle Feedlot East of Torrington, WY  
(Ref. No. 84-229 and 83-426RRRR)

Groundwater monitoring data for the subject facility, collected over a period slightly in excess of one year, have been reviewed. Basic conclusions are presented in the attached memo by Tom Williams.

The data obtained by WQD have not been correlative, for the most part, with data obtained and submitted by the permittee. After reviewing all the data and discussing same with Kent Angelos (Lab Supervisor), we believe our data are more representative of actual conditions at the site. Only one well, 12M on the southern boundary of the feedlot, indicates a nitrate (NO<sub>3</sub>-N) concentration of concern -- 10.9 mg/l for a sample collected 4/22/85. The "background" NO<sub>3</sub>-N concentration for this well was reported as 8.3 mg/l. The increase over a period of 14 months was less than three mg/l.

Even though there is concern, it is not as great as might be anticipated because the nearest domestic wells that could be impacted are on property which has been purchased by the permittee after the feedlot was constructed.

We will continue to monitor the existing operation and periodically reevaluate potential groundwater impacts.

The proposed westward expansion of the feedlot might increase the degree of potential impact. The obvious concern based on this proposed expansion is potential impact affecting two existing domestic-use wells (17D and 18D) approximately one-half mile south of the boundary of the feedlot expansion. The proposal includes several additional monitor wells, which appear adequate.

If either well 17D or 18D would produce contaminated water attributed to the feedlot operation, this should be viewed as a serious permit violation.

The feasibility of incorporating a corrective action schedule in permit #84-229 should be discussed. For example, a schedule might state:

1. If well 13M, 2M or 1M, or a combination thereof, indicates an NO<sub>3</sub>-N concentration in excess of 10 mg/l 2 months in succession, then well 16M should be sampled monthly and operating procedures should be modified; and/or
2. If well 16M indicates an NO<sub>3</sub>-N concentration in excess of 10 mg/l attributable to the feedlot operation (one time), one or more new wells should be installed immediately between 16M and the domestic-use wells; and
3. If the new well(s) indicate NO<sub>3</sub>-N in excess of 10 mg/l (1 time), corrective action should be taken immediately.

The requirement to take corrective action, or earlier action, might be based on increasing concentrations of total phosphate, although at this time I think NO3-N is the better indicator.

AJM/nc

Norma

84-229  
83-426104



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: A.J. Mancini, Groundwater Control Supervisor  
FROM: Thomas R. Williams, Groundwater Compliance Specialist TRW  
DATE: April 30, 1985  
SUBJECT: Review of Groundwater Monitoring Program at Jirdon Wyoming Feedlot in Torrington, Wyoming

I have conducted a routine review of the groundwater monitoring program at Jirdon Wyoming Feedlot in Torrington, Wyoming. I recommend that the monitoring program schedule and sampling parameters be revised. A summary of the revised monthly and quarterly monitoring schedules are provided below.

1. MONTHLY MONITORING WELLS

<u>WELL NUMBER</u>	<u>WELL USE</u>	<u>SAMPLING FREQUENCY</u>
1-M	Monitoring	Monthly
2-M	Monitoring	Monthly
4-M	Monitoring	Monthly
9-M	Monitoring	Monthly
10-M	Monitoring	Monthly
11-M	Monitoring	Monthly
12-M	Monitoring	Monthly
13-M	Monitoring	Monthly

2. QUARTERLY MONITORING WELLS

<u>WELL NUMBER</u>	<u>WELL USE</u>	<u>SAMPLING FREQUENCY</u>
5-M	Monitoring	Quarterly
7-M	Monitoring	Quarterly
8-M	Monitoring	Quarterly
14-M	Monitoring	Quarterly
16-M	Monitoring	Quarterly
20-D	Domestic	Quarterly
22-D	Domestic	Quarterly
27-D	Domestic	Quarterly

Memo  
A.J. Mancini  
April 30, 1985  
Page Two

Well 4-M has been retained on the monthly monitoring schedule to provide upgradient information on the Phase I feedlot area. Due to well damage and drilling problems, we have not yet received a full year of background data for this well.

Sampling parameters for both the monthly and quarterly monitoring wells should be revised to include the following for each well: static water level, nitrate-nitrogen ( $\text{NO}_3\text{-N}$ ), total phosphate ( $\text{PO}_4\text{-P}$ ), total dissolved solids (TDS) and pH. All sampling results should be forwarded to the Water Quality Division by the 15th day of the following month. The Water Quality Division Groundwater Section must be notified prior to each sampling event as we may wish to collect split samples.

If permit to construct application number 84-229 is approved for the Phase II expansion of the feedlot, Well 14-M should be changed from a quarterly to a monthly monitoring well. This well will provide an upgradient data base for the proposed expansion area. Also, either Well 17-D or 18-D should be placed on the quarterly monitoring schedule.

*Well 20 D was formerly 20 I. See letter  
of Jan. 4, '85, from Pete Brisius, Manager,  
Enviro Service Inc. of Scottsbluff, Neb.  
ajm  
4/30/85*

All other land shown is owned by Middleswarth Cattle Co or Edward and Jay Middleswarth Except the land South of the North Platte River and the West Portion of Section 19.

Area for Land Application for Feed Lot Runoff

Phase I  
Phase II  
No. 14 M

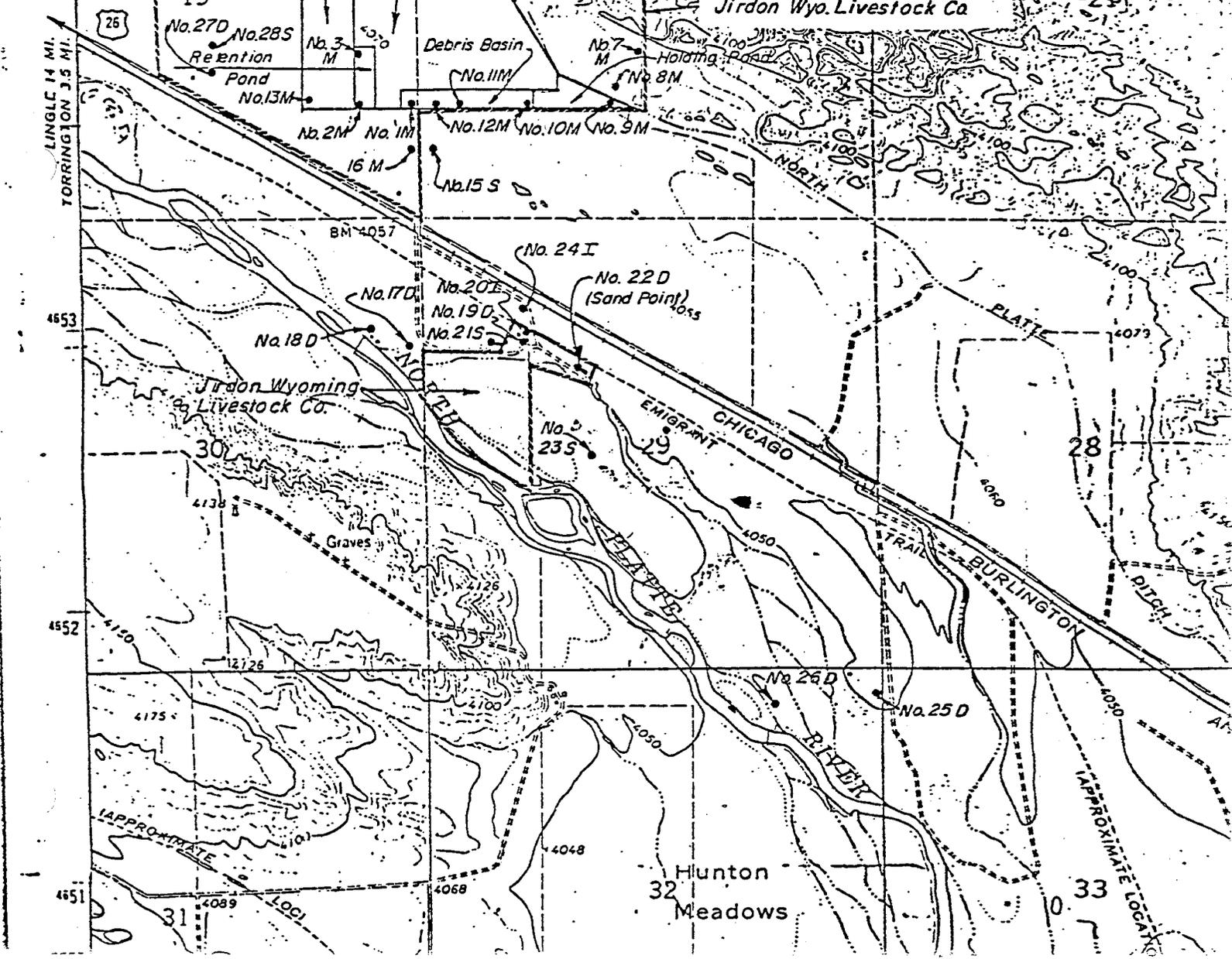
Retention Pond  
No. 13 M

Debris Basin  
No. 11 M

Jirton Wyo. Livestock Co

No. 29 D  
230'  
No. 30 D

ANGLE 14 MI.  
TORRINGTON 3.5 MI.



MONITORING PARAMETERS 1/27/84

The cased test holes (1-12) around the periphery of the Phase I General Layout Construction Plan Sheet, as identified in the applicant's submittal of November 21, 1983, shall be sampled and analyzed by the applicant within 15 days of this permit issuance. Parameters shall include: Static Water Level, Total Kjeldahl Nitrogen (TKN), Ammonia-Nitrogen (NH<sub>3</sub>-N), Nitrate-Nitrogen (NO<sub>3</sub>-N), Orthophosphate, pH, BOD<sub>5</sub>, COD, TOC, TDS, Fecal Coliform Bacteria, Fecal Streptococci Bacteria, Chlorides, Sulfates, and Phenol.

MONITORING PARAMETERS 8/20/84

Sampling parameters for both the monthly and quarterly monitoring wells have been revised to include the following analyses from each well: static water level, total Kjeldahl nitrogen (TKN), ammonium-nitrogen (NH<sub>4</sub>-N), nitrate-nitrogen (NO<sub>3</sub>-N), orthophosphate, pH, total dissolved solids (TDS), fecal coliform bacteria, fecal streptococci bacteria, chlorides, sulfates, and phenol. All sampling results should be forwarded to the Water Quality Division by the 15th day of the following month. After one year of complete monthly groundwater monitoring data have been submitted to this office, the Groundwater Section will complete a comprehensive review of the data to determine if further modifications to the sampling frequency and parameters may be made.



THE STATE OF WYOMING

84-~~229~~  
229

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-778

September 24, 1984

Donald Steen  
Jirdon Wyoming Livestock Company  
P. O. Box 456  
Morrill, NE 69358

RE: Routine operations and maintenance inspection, Jirdon Wyoming Feedlot, Torrington, Wyoming, NPDES permit number 0031976 and Permit to Construct Number 83-426RRRR

Dear Mr. Steen:

A routine operations and maintenance inspection of the referenced feedlot facility was completed by myself on August 30, 1984. The purpose of the inspection was to determine compliance with the authorized permit to construct and the National Pollutant Discharge Elimination System Permit issued to the facility. An evaluation of the groundwater monitoring system was not included with this inspection. Results of the field inspection indicate the following construction deficiencies at the feedlot.

1. Construction of the retention pond dikes did not meet the 3:1 horizontal/vertical contour as required by Wyoming Rules and Regulations for wastewater treatment works and as shown in the original permit to construct application plans and specifications. Portions of the debris basin and holding pond dikes were also in non-compliance.
2. Based upon visual observations of all pond construction work, it was evident that the overall pond construction did not comply with the authorized plans and specifications for the project. For example, the required bentonite sealing of all pond bottoms/dikes had not been adequately completed; in areas where bentonite had been applied, it was applied unevenly, had not been thoroughly incorporated into the top foot of pond soil, had not been properly recontoured on the pond bottom to a relatively flat surface, and the pond bottoms/dikes had not been compacted into a final design soil-bentonite density.
3. Low exterior dike elevations along the mid portion of the debris basin jeopardize total containment of the minimum 25 year-24 hour storm event precipitation.
4. Dike erosion problems were developing along the north side of the debris basin which could severely threaten any established soil-bentonite seal in the pond. Runoff erosion along portions of the outside portion of the south debris basin dike were also noted. Since dike erosion could threaten the integrity of the north dike pond sealing, riprap, (i.e., gravel or

Donald Steen  
September 24, 1984  
Page 2

other acceptable material) should be installed. Recontouring the outside portion of the southern debris basin dike and planting native grasses should control that part of the erosion problems.

5. No evidence of native grass seeding of either the dike interior/exterior areas of any pond had been completed to control excessive weed growth and to help in dike erosion problems. Excessive weed growth was clearly evident throughout the entire pond system. Any effective pond seal which might have already been installed has probably been jeopardized due to deep root growth in the dikes.
6. Although a vehicle access road existed along the top of the southern exterior pond dike, it was not graveled in accordance with the submitted plans/specifications to allow ready access during wet weather for any emergency maintenance work.
7. On-site feedlot personnel were not implementing the facility Operations and Maintenance Plan which had been prepared by the engineering consultant and authorized by the Water Quality Division.
8. Fencing with appropriate warning signs around the pond system did not exist as designed in the construction plans and authorized by Permit to Construct Number 83-426RRRR.

In conclusion, the construction of the authorized wastewater treatment works for the feedlot is considered to be very poor. Jirdon Wyoming Livestock Company should immediately initiate on-site activities to reaccomplish the inadequate construction work outlined above. Jirdon Wyoming Livestock Company is requested to submit to the Water Quality Division, in writing, a schedule to start and complete these tasks. Serious consideration to your application (Permit to Construct application number 84-229) for Phase II expansion cannot be given until the above construction deficiencies have been rectified.

Sincerely,



LeRoy C. Feusner, P.E.  
Southeast District Supervisor

LCF/pjb

cc: William L. Garland, Administrator, WQD  
John Wagner, Technical Support Supervisor, WQD  
Lori Nast, DEQ/WQD  
Water Quality Division Advisory Board Members



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Water Quality Division Advisory Board Members

FROM: LeRoy C. Feusner, P.E. *LeRoy C. Feusner*  
Southeast District Supervisor

DATE: August 28, 1984

SUBJECT: Jirdon Wyoming Feedlot (Phase II) Application for Permit to Construct  
(No. 84-229)

The purpose of this memo is to provide Water Quality Division Advisory Board members with an update on our processing of the subject Permit to Construct application. On January 24, 1984, the Water Quality Division issued Permit to Construct No. 83-426RRRR to Jirdon Wyoming Feedlot for construction of surface wastewater runoff treatment and disposal facilities for a 10,000 head operation. The wastewater treatment facilities consisted of oversized retention, debris basin, and holding ponds with final disposal of any wastewater to a triangular agricultural area immediately east of the feedlot. A comprehensive groundwater monitoring program was a special condition on that permit (attached).

On May 22, 1984, Jirdon Wyoming Feedlot applied to the Division for a new Permit to Construct (Phase II) which would increase the feedlot operation to 20,000 head of cattle. Since the original Phase I permit included all necessary wastewater treatment facilities for this expansion, there were no requirements for increased wastewater treatment capacity. Other than a requirement for additional groundwater monitoring wells, the only change was a different land application area located within a quarter section on the elevated bluff immediately North of the feedlot. Our initial review comments were presented at the July 18, 1984, Water Quality Division Advisory Board meeting for your consideration and recommendations. At that meeting considerable discussion was held concerning the less than satisfactory response of Jirdon Wyoming Feedlot management to comply with the full requirements of the original permit to construct for groundwater monitoring and data submission. Although no evidence of any groundwater quality degradation could be shown from the limited data submitted to that point in time, Board members wanted a stronger commitment from Jirdon Wyoming to meet the full groundwater monitoring conditions initially placed upon them. Jirdon Wyoming Feedlot personnel were instructed by the Board to submit an updated groundwater monitoring program to bring their existing operation into compliance with the original permit, to show that all required groundwater monitoring wells were operational, and that they could meet all existing sampling mandates.

A joint meeting was held on July 30, 1984, in Cheyenne between Water Quality Division and Jirdon Wyoming Feedlot representatives to further discuss the groundwa-

ter monitoring program problems and any future requirements for a Phase II operation. At that meeting the applicant was very interested in getting the groundwater monitoring fully operational to meet any requirements which the Division or Board felt necessary to protect and monitor water quality.

Jirdon Wyoming Feedlot management submitted an updated groundwater monitoring program on August 10, 1984, for both their existing operation mandated by Permit to Construct 83-426RRRR and new monitoring wells which would be required if the Phase II expansion permit were to be issued. A copy of their letter is also attached. Review of the August 10, 1984, Jirdon Wyoming Feedlot letter by our Groundwater Section indicated concurrence with the proposed monitoring program for both Phase I/II operations. Based upon our understanding with their letter and our joint meeting of July 30, 1984, correspondence (attached) was sent to the Jirdon Wyoming Feedlot engineering consultant indicating our approval of their plan. As of the date of this memo, our office has not yet been contacted for the initial round of sampling.

After Board members have had an opportunity to study the contents of this memo, the Water Quality Division will conduct a telephonic poll of members for their vote on issuance of the Phase II Permit to Construct. This poll will tentatively be scheduled for September 7, 1984. The Water Quality Division staff recommend issuance of the Phase II permit with the expanded groundwater monitoring program outlined in our August 20, 1984 letter to them.

**Attachments**

cc: Bill Garland  
A.J. Mancini  
Tom Williams  
Maureen Lesh



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 20, 1984

Mr. Larry D. McCaslin  
M.C. Schaff & Associates, Inc.  
818 South Beltline Highway East  
Route 2, Box 118  
Scottsbluff, NE 69361

RE: Jirdon Wyoming Feedlot Revised Groundwater Monitoring Program, Permit to Construct Application No. 84-229, Your Letter Dated August 10, 1984

Dear Mr. McCaslin:

The Water Quality Division has reviewed the referenced correspondence and concurs with your proposed groundwater monitoring plan. The new wells indicated below should be installed immediately and sampling initiated to comply with this revised groundwater sampling program. The Water Quality Division Groundwater Section must be notified prior to the initial sampling of all wells in this revised program as they may wish to split-sample with your personnel. The monthly and quarterly monitoring schedules have been summarized below.

1. Monthly Monitoring Wells

<u>Well Number</u>		<u>Well Use</u>	<u>Sampling Frequency</u>	<u>Comments</u>
<u>New</u>	<u>Old</u>			
1-M	1	Monitoring	Monthly	
2-M	2	Monitoring	Monthly	
3-M	3	Monitoring	---	Protect Well - Abandon Monitoring
4-M	4	Monitoring	Monthly	
5-M	5	Monitoring	Monthly	
7-M	7	Monitoring	Monthly	
8-M	8	Monitoring	Monthly	
9-M	9	Monitoring	Monthly	
10-M	10	Monitoring	Monthly	
11-M	11	Monitoring	Monthly	
12-M	12	Monitoring	Monthly	
13-M	--	Monitoring	Monthly	New well along southwest corner of proposed Phase II

Mr. Larry D. McCaslin

August 20, 1984

Page 2

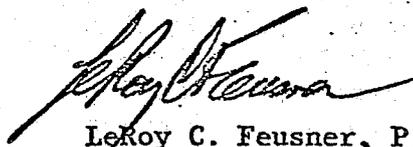
2. Quarterly Monitoring Wells

<u>Well Number</u>		<u>Well Use</u>	<u>Sampling Frequency</u>	<u>Comments</u>
<u>New</u>	<u>Old</u>			
6-1	3A	Irrigation	---	Abandon Monitoring
14-M	--	Monitoring	Quarterly	New well that replaces well no. 6-I
15-D	12A,15	Domestic	---	Abandon Monitoring
16-M	--	Monitoring	Quarterly	New well that replaces well no. 15-D
20-I	4,12B	Irrigation	Quarterly	
22-D	6	Domestic	Quarterly	
27-D	12	Domestic	Quarterly	
28-S	13	Stock	---	Abandon Monitoring
29-I	14	Irrigation	---	Abandon Monitoring

Sampling parameters for both the monthly and quarterly monitoring wells have been revised to include the following analyses from each well: static water level, total Kjeldahl nitrogen (TKN), ammonium-nitrogen (NH<sub>4</sub>-N), nitrate-nitrogen (NO<sub>3</sub>-N), orthophosphate, pH, total dissolved solids (TDS), fecal coliform bacteria, fecal streptococci bacteria, chlorides, sulfates, and phenol. All sampling results should be forwarded to the Water Quality Division by the 15th day of the following month. After one year of complete monthly groundwater monitoring data have been submitted to this office, the Groundwater Section will complete a comprehensive review of the data to determine if further modifications to the sampling frequency and parameters may be made.

This letter does not authorize expansion of the feedlot operation. After the Water Quality Division Administrator has completed a telephone polling of the Water Quality Division Advisory Board members for their input, a decision will be made concerning issuance of a modified permit to construct. The modified permit will also include the groundwater monitoring program outlined above.

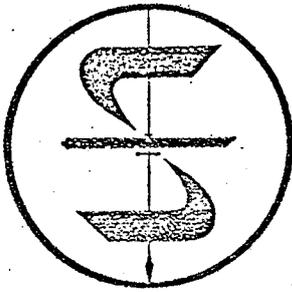
Sincerely,



LeRoy C. Feusner, P.E.  
Southeast District Supervisor

LCF/nc

cc: William L. Garland, WQD  
A. J. Mancini, WQD  
Lori Nast, WQD  
Tom Williams, WQD  
E. J. Fanning, WQD



# M. C. SCHAFF & ASSOCIATES, INC.

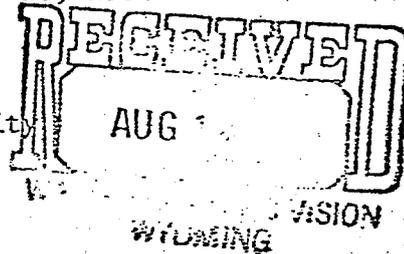
ENGINEERS - PLANNERS - SURVEYORS

818 S. Beltline Highway East  
Route 2, Box 118  
Scottsbluff, Nebraska 69361  
308/635-1926

Principals  
M. C. Schaff  
G. A. Acklie  
L. D. McCaslin  
D. E. Stott

August 10, 1984

Mr. Leroy Feusner  
Wyoming Department of Environmental Quality  
Water Quality Division  
1111 East Lincolnway  
Cheyenne, WY 82002



RE: Jirdon Wyoming Feedlot

Dear Mr. Feusner:

In accordance with your request, we offer the following information regarding the groundwater monitoring for the above referenced project.

1. We have renumbered all operating or monitoring wells, both on site and off site, that we are aware of. Enclosed please find a table showing the new and old numbers, well use, type and sampling frequency, along with the location of each well. We have also enclosed a copy of the map showing more exact locations of all wells and their new numbers and photographs of each well.
2. We propose to construct a protective fence and casing around Well No. 3 which is to be used by the State for periodic sampling.
3. We have shown a proposed location for Well No. 13-M near the southwest corner of the proposed Phase II of the feedlot. This well is required to monitor the groundwater at the west end of the feedlot.
4. Because of the construction of two existing wells on the site, No. 6-F (Formerly 3A) and No. 15 (Formerly 12a), it has been impossible to obtain proper water samples. Therefore, we have requested permission to construct new monitoring wells for sampling rather than the existing wells. The proposed locations for Well No. 14-M which replaces 6-I (Formerly 3-A) and Well No. 16 which replaces 15 (Formerly 12a) are shown on the photograph and map and described in the table. As soon as these sites are approved, or other sites can be agreed upon, the wells will be constructed and sampling will begin.
5. Our records show that Well 6 (New No. 22-D), located south of Highway 26 on the Jones property was sampled and tested in March and June, 1984, and recorded as 6X. We have enclosed a copy of the test results for

Page Two  
Mr. Leroy Feusner  
August 10, 1984

these two months for your information. Because of the original numbering of the wells, it is possible that the Well No. 6 test data you are missing is from the on-site Well No. 6. Because of conditions beyond our control, monitor Well No. 6 located adjacent to monitor Well No. 5 was never constructed.

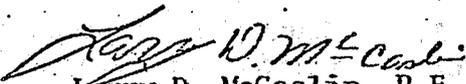
6. According to the Permit to Construct the feedlot, Wells 27D, 28S and 29D (Formerly No. 12, 13, 14) were to be sampled quarterly. It is now our understanding that it will be sufficient to sample only one well of the three. In the July 13, 1984 letter transmitting the quarterly test results, it was pointed out that Well 27D was inoperable. Since that time, the well has been repaired and the house remodeling has been complete. Therefore, we are requesting that Well 27D be used to obtain the quarterly samples.

Jirdons are anxious to contract to have the new monitoring wells as soon as possible and to provide all groundwater sampling and testing you require. Therefore, as soon as the locations of the new wells can be agreed upon and other monitoring requirements can be established, the new wells will be constructed and the monitoring will commence.

Should you have any questions or require additional information regarding this matter, please feel free to call on us.

Very truly yours,

FOR THE FIRM OF  
M.C. SCHAFF & ASSOCIATES, INC.

  
Harry D. McCaslin, P.E.

LDM:ama  
Enc.  
cc: Don Steen

JIRDON WYOMING FREDLOT GROUNDWATER TESTING WELLS

WELL NUMBER		WELL USE	WELL TYPE	SAMPLING FREQUENCY	OWNER	LOCATION			DESCRIPTION	COMMENTS
NEW	OLD					LOCAL T24N, R60W	LATITUDE	LONGITUDE		
		SITES WELLS								
1-M	1	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SE $\frac{1}{4}$ -19	42°02'06"	104°06'40"	South of Office Area	Monitor by State
2-M	2	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SE $\frac{1}{4}$ -19	42°02'06"	104°06'44"	S.W. corner of Retention Pond	
3-M	3	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SE $\frac{1}{4}$ -19	42°02'12"	104°06'45"	N.W. corner of Retention Pond	
4-M	4	Monitor	2" PVC	Monthly	Jirdon	SE $\frac{1}{4}$ NE $\frac{1}{4}$ -19	42°02'23"	104°06'37"	No. of Supply Well	
5-M	5	Monitor	2" PVC	Monthly	Jirdon	NW $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'19"	104°06'22"	No. line of Lot, N. Side of Irrig. Canal	
6-I	3A	Irrigation	12" Steel	Quarterly	Jirdon	SE $\frac{1}{4}$ NE $\frac{1}{4}$ -19	42°02'23"	104°06'44"	N.W. Corner of Lot	
7-M	7	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'12"	104°06'02"	E. Edge of Property	
8-M	8	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'08"	104°06'04"	S.E. corner of Prop, N. of Irrig. Canal	
9-M	9	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'08"	104°06'08"	S.E. corner of Prop, S. of Irrig. Canal	
10-M	10	Monitor	2" PVC	Monthly	Jirdon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'06"	104°06'17"	S. Edge of Debris Basin Dike Road	
11-M	11	Monitor	2" PVC	Monthly	Jirdon	NW $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'06"	104°06'24"	S. Edge of Debris Basin Dike Road	
12-M	12	Monitor	2" PVC	Monthly	Jirdon	NW $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'06"	104°06'32"	S. Edge of Debris Basin Dike Road	
13-M	-	Monitor			Jirdon	NW $\frac{1}{4}$ SE $\frac{1}{4}$ -19	42°02'23"	104°07'07"	S.W. corner of Phase II	
14-M	-	Monitor			Jirdon	SW $\frac{1}{4}$ NE $\frac{1}{4}$ -19	42°02'06"	104°07'11"	N.W. corner of Phase II	
15-S	12A, 15	Stock	6" Steel	Quarterly	Middleswarth	SW $\frac{1}{4}$ SW $\frac{1}{4}$ -20	42°02'03"	104°07'03"	E. Side of Entrance Road	
16-M	-	Monitor			Jirdon	SE $\frac{1}{4}$ SE $\frac{1}{4}$ -19	42°02'03"	104°07'03"	W. Side of Entrance Road	
		OFF SITES WELLS								
17-D	2	Domestic	Sand Point		Easton	NE $\frac{1}{4}$ SE $\frac{1}{4}$ -30	42°01'38"	104°07'05"	In Pit West of Mobile Home	Proposed Location Proposed Location To be Abandoned Proposed Location
18-D	1	Domestic	Sand Point		Easton	NE $\frac{1}{4}$ SE $\frac{1}{4}$ -30	42°01'39"	104°07'07"	In House	
19-D	3	Domestic	Sand Point		Jirdon	SE $\frac{1}{4}$ NW $\frac{1}{4}$ -29	42°01'37"	104°06'55"	In Cellar S. of House	
20-I	4, 12B	Irrigation	Sand Point	Quarterly	Jirdon	SE $\frac{1}{4}$ NW $\frac{1}{4}$ -29	42°01'39"	104°06'37"	No. of House	
21-S	5	Stock	Sand Point		Jirdon	SW $\frac{1}{4}$ NW $\frac{1}{4}$ -29	42°01'38"	104°06'58"	So. of Barn near Corrals	
22-D	6	Domestic	24' Deep	Quarterly	Jirdon	SE $\frac{1}{4}$ NW $\frac{1}{4}$ -29	42°01'33"	104°06'51"	In Cellar East of House	
23-S	9	Stock	Pit Well		Middleswarth	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -29	42°01'25"	104°06'50"	In Corral So. of Barn	
24-I	7	Irrigation	80' Deep		Middleswarth	NW $\frac{1}{4}$ SE $\frac{1}{4}$ -29	42°01'41"	104°06'55"	So. of Railroad	
25-D	10	Domestic			Gilmore	NE $\frac{1}{4}$ NE $\frac{1}{4}$ -32	42°00'56"	104°06'27"	In House	
26-D	11	Domestic	Sand Point		Lewark	NE $\frac{1}{4}$ NE $\frac{1}{4}$ -32	42°00'55"	104°06'36"	In Shed S.W. of Mobile Home	
27-D	12	Domestic		Quarterly	Jirdon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -19	42°02'09"	104°07'20"	In House	
28-S	13	Stock		Quarterly	Jirdon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ -19	42°02'12"	104°07'19"	No. of Shed near Corral	
29-D	14	Domestic		Quarterly	Rawlings	SW $\frac{1}{4}$ NW $\frac{1}{4}$ -19	42°02'29"	104°07'36"	In N.W. House	
30-D	-	Domestic			Rawlings	SW $\frac{1}{4}$ NW $\frac{1}{4}$ -19	42°02'27"	104°07'35"	In S.E. House	



PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 83-426RRRR  
SEE CONDITIONS ATTACHED

Jirdon Wyoming Livestock Cattle Feedlot - Phase I  
(Name of Facility)

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

Mr. Donald Steen

Jirdon Wyoming Livestock Company

P.O. Box 456

Morrill, NE 69358

to construct, install, or modify a commercial wastewater collection and stabilization ponds for Phase I of the Jirdon Wyoming Livestock Company Feedlot facility according to the procedures and conditions of the application No. 83-426RRRR. The facility is located in Sections 19 and 20, T24N, R60W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

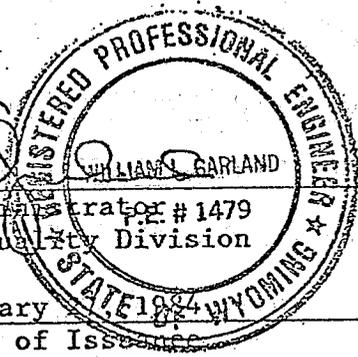
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

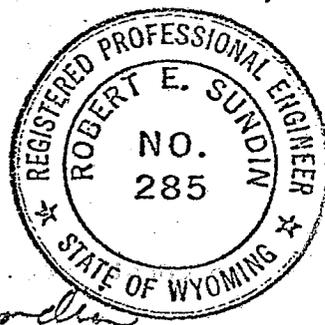
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
*William Garland*  
Administrator # 1479  
Water Quality Division  
January 1984  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

cc: M. C. Schaff  
M. C. Schaff & Associates, Inc.  
Route 2, Box 118  
Scottsbluff, NE 69361

CONDITIONS TO PERMIT TO CONSTRUCT 83-426RRRR

1. The cased test holes (1-12) around the periphery of the Phase I General Layout Construction Plan Sheet, as identified in the applicant's submittal of November 21, 1983, shall be sampled and analyzed by the applicant within 15 days of this permit issuance. Parameters shall include: Static Water Level, Total Kjeldahl Nitrogen (TKN), Ammonia-Nitrogen (NH<sub>3</sub>-N), Nitrate-Nitrogen (NO<sub>3</sub>-N), Orthophosphate, pH, BOD<sub>5</sub>, COD, TOC, TDS, Fecal Coliform Bacteria, Fecal Streptococci Bacteria, Chlorides, Sulfates, and Phenol.
2. Within 15 days of this permit issuance, the applicant shall collect and analyze samples from upgradient wells 12, 13 and 14, and downgradient well number 6, as identified in Figure and Table G3 (attached). Parameters shall include all those in condition 1.
3. After background samples have been collected in accordance with conditions 1 and 2, the applicant shall comply with the following long term monitoring program:
  - a. Test holes 1-12 shall be sampled and analyzed monthly for 12 months beginning in March 1984. Quarterly samples shall be collected thereafter. Parameters shall be those identified in condition 1. Results are to be forwarded to the Water Quality Division by the 15th day of the following month.
  - b. Quarterly sampling and analyses of well numbers 3A, 6, 12, 12a, 12b, 13 and 14 shall be accomplished by the applicant beginning in March 1984. Parameters shall be those identified in condition 1 including static water levels where obtainable. All well number references are from Figure and Table G3. Results are to be forwarded to the Water Quality Division by the 15th day of the following month.
  - c. A quarterly sample and analysis of any fluids contained in the holding pond shall be completed by the applicant for those parameters in condition 1.
4. The applicant shall use sampling protocol acceptable to the Water Quality Division. Details may be obtained from the Groundwater Quality Section of the Water Quality Division.
5. The above outlined water quality monitoring program will be amended, as necessary, depending upon monitoring data results.
6. If the applicant desires to transfer this permit to construct to a new owner, the new owner shall agree, in a written statement to the Water Quality Division Administrator, to be bound by all of the terms and conditions of this original permit.

Figure G3

USGS  
GOSPER

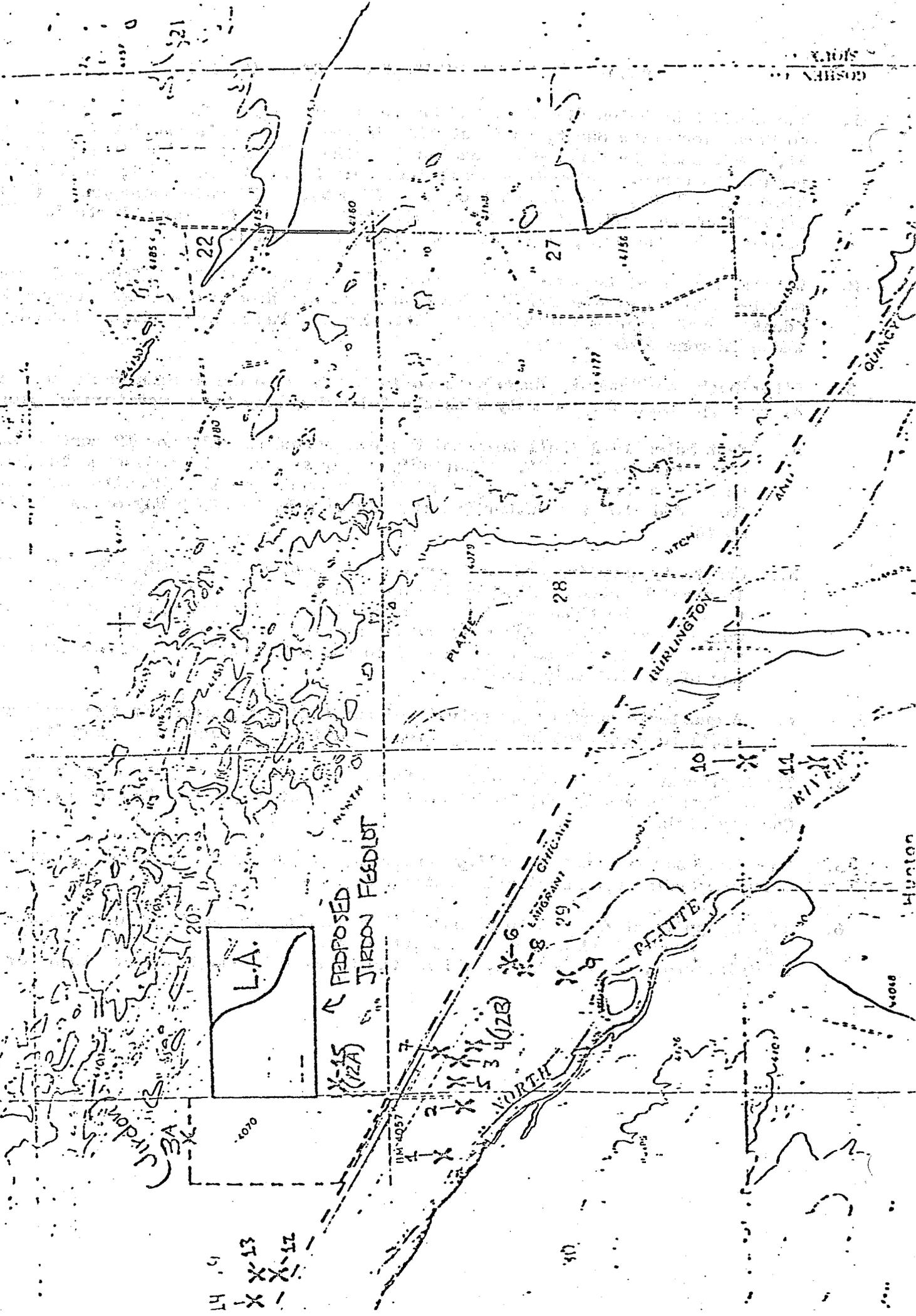


Table G3

## JIRDON LIVESTOCK

WELL NUMBER	LOCATION	OWNER	USE	COMMENTS
1	T24N R60W Sec. 30 NE $\frac{1}{2}$	Easton	Domestic	
2	T24N R60W Sec. 30 NE $\frac{1}{2}$	Easton	Domestic	Sand Point
3	T24N R60W Sec. 29 NW $\frac{1}{4}$	Yates	Domestic	Sand Point
4	T24N R60W Sec. 29 NW $\frac{1}{4}$	Yates	Irrigation	Sand Point
5	T24N R60W Sec. 29 NW $\frac{1}{4}$	Yates	Stock	Sand Point
6	T24N R60W Sec. 29 NW $\frac{1}{4}$	Jones	Domestic	24 Feet Deep
7	T24N R60W Sec. 29 NW $\frac{1}{4}$	Jones	Irrigation	80 Feet Deep Permit # UW 2664
8	T24N R60W Sec. 29 NW $\frac{1}{4}$	Jones	Stock	Sand Point
9	T24N R60W Sec. 29 SW $\frac{1}{4}$	Jones	Stock Pit Well	Permit = UW 469
10	T24N R60W Sec. 32 NE $\frac{1}{4}$	Gilmore	Domestic	
11	T24N R60W Sec. 32 NE $\frac{1}{4}$	Lewark	Domestic	
12	T24N R60W Sec. 19 SW $\frac{1}{4}$	Jirdon- Collins-Owner Niswonger-Tenant	Domestic	
13	T24N R60W Sec. 19 SW $\frac{1}{4}$	Jirdon- Collins-Owner Niswonger-Tenant	Domestic	
14	T24N R60W Sec. 19 SW $\frac{1}{4}$	Jirdon- Collins-Woner Niswonger-Tenant	Irrigation	
15	T24N R60W Sec. 20 SW $\frac{1}{4}$	Jirdon	Domestic	Abandoned Dwell

8-21-84



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

# Department of Environmental Quality

## Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 20, 1984

Mr. Larry D. McCaslin  
M.C. Schaff & Associates, Inc.  
818 South Beltline Highway East  
Route 2, Box 118  
Scottsbluff, NE 69361

RE: Jirdon Wyoming Feedlot Revised Groundwater Monitoring Program, Permit to Construct Application No. 84-229, Your Letter Dated August 10, 1984

Dear Mr. McCaslin:

The Water Quality Division has reviewed the referenced correspondence and concurs with your proposed groundwater monitoring plan. The new wells indicated below should be installed immediately and sampling initiated to comply with this revised groundwater sampling program. The Water Quality Division Groundwater Section must be notified prior to the initial sampling of all wells in this revised program as they may wish to split-sample with your personnel. The monthly and quarterly monitoring schedules have been summarized below.

### 1. Monthly Monitoring Wells

<u>Well Number</u>		<u>Well Use</u>	<u>Sampling Frequency</u>	<u>Comments</u>
<u>New</u>	<u>Old</u>			
1-M	1	Monitoring	Monthly	
2-M	2	Monitoring	Monthly	
3-M	3	Monitoring	---	Protect Well - Abandon Monitoring
4-M	4	Monitoring	Monthly	
5-M	5	Monitoring	Monthly	
7-M	7	Monitoring	Monthly	
8-M	8	Monitoring	Monthly	
9-M	9	Monitoring	Monthly	
10-M	10	Monitoring	Monthly	
11-M	11	Monitoring	Monthly	
12-M	12	Monitoring	Monthly	
13-M	--	Monitoring	Monthly	New well along southwest corner of proposed Phase II

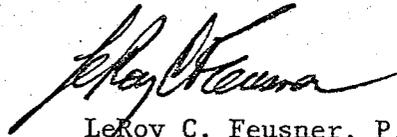
2. Quarterly Monitoring Wells

<u>Well Number</u>		<u>Well Use</u>	<u>Sampling Frequency</u>	<u>Comments</u>
<u>New</u>	<u>Old</u>			
6-1	3A	Irrigation	---	Abandon Monitoring
14-M	--	Monitoring	Quarterly	New well that replaces well no. 6-I
15-D	12A,15	Domestic	---	Abandon Monitoring
16-M	--	Monitoring	Quarterly	New well that replaces well no. 15-D
20-I	4,12B	Irrigation	Quarterly	
22-D	6	Domestic	Quarterly	
27-D	12	Domestic	Quarterly	
28-S	13	Stock	---	Abandon Monitoring
29-I	14	Irrigation	---	Abandon Monitoring

Sampling parameters for both the monthly and quarterly monitoring wells have been revised to include the following analyses from each well: static water level, total Kjeldahl nitrogen (TKN), ammonium-nitrogen (NH<sub>4</sub>-N), nitrate-nitrogen (NO<sub>3</sub>-N), orthophosphate, pH, total dissolved solids (TDS), fecal coliform bacteria, fecal streptococci bacteria, chlorides, sulfates, and phenol. All sampling results should be forwarded to the Water Quality Division by the 15th day of the following month. After one year of complete monthly groundwater monitoring data have been submitted to this office, the Groundwater Section will complete a comprehensive review of the data to determine if further modifications to the sampling frequency and parameters may be made.

This letter does not authorize expansion of the feedlot operation. After the Water Quality Division Administrator has completed a telephone polling of the Water Quality Division Advisory Board members for their input, a decision will be made concerning issuance of a modified permit to construct. The modified permit will also include the groundwater monitoring program outlined above.

Sincerely,



Leroy C. Feusner, P.E.  
Southeast District Supervisor

LCF/nc

cc: William L. Garland, WQD  
A. J. Mancini, WQD  
Lori Nast, WQD  
Tom Williams, WQD  
E. J. Fanning, WQD

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-230R

MA 14068

4th Street Water Main  
(Name of Facility)

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

Town of Burns

P.O. Box 66

Burns, WY 82503

to construct, install, or modify a potable water main facility according to the procedures and conditions of the application No. 84-230R. The facility is located in Section 7, T14N, R62W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

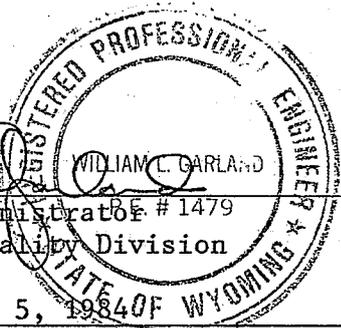
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

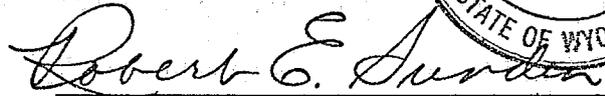
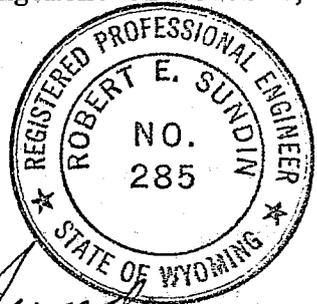
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
  
June 5, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality  


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

cc: Ross P. Brown  
AVI p.c.  
1700 Westland Road  
Cheyenne, WY 82001



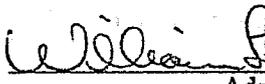
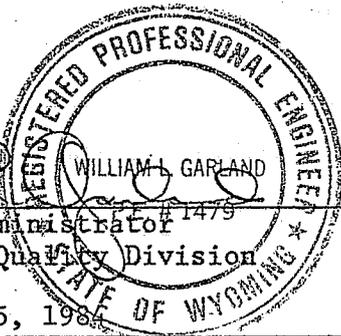
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

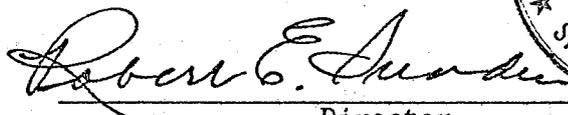
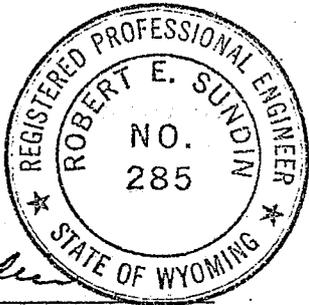
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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

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

AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
#1479  
Administrator  
Water Quality Division  
June 15, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

JH/JB:mpm

cc: Russell L. Donley & Associates  
ATTN: Barry Venn  
240 S. Wolcott, St. 202  
Casper, WY 82601

6-7-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-232  
 SEE SPECIAL CONDITION  
 MA 14068

Lower and Cool Addition  
 (Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a potable water main and sanitary sewer facility according to the procedures and conditions of the application No. 84-232. The facility is located in Section 17, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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.

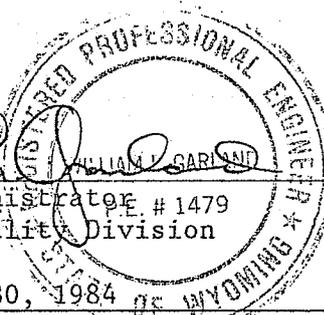
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

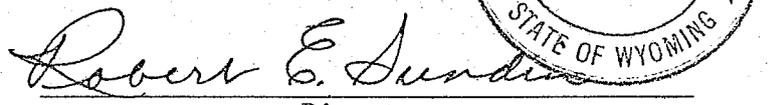
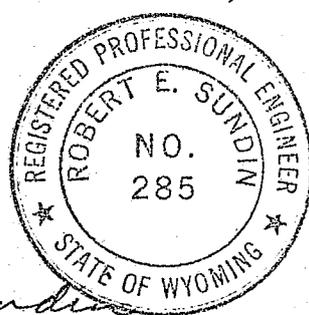
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 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 # 1479  
Water Quality Division  
  
\_\_\_\_\_  
May 30, 1984  
Date of Issuance

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


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

Condition to Permit to Construct

An 8-inch diameter cleanout shall be installed at the upper terminus of the sanitary sewer.

cc: Terry L. Titus  
Worthington, Lenhart, Carpenter & Johnson  
632 South David  
Casper, WY 82601



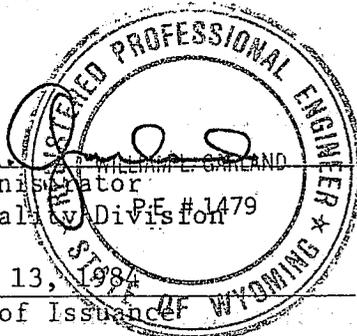
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

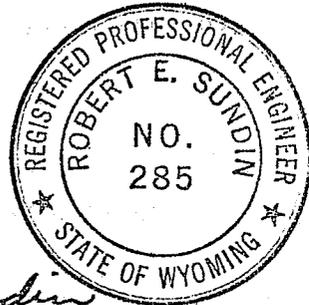
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, 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:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the name "WILLIAM P. GARLAND" and the number "PE # 1479".  
*William P. Garland*  
Administrator  
Water Quality Division  
June 13, 1984  
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the name "ROBERT E. SUNDIN" and the number "NO. 285".  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

xc: Timm & Associates  
P.O. Box 726  
Gillette, WY 82716



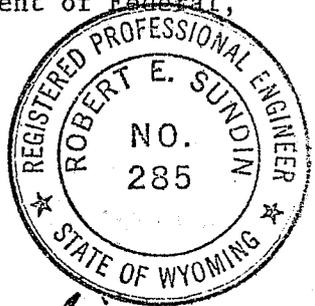
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

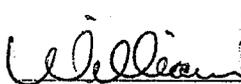
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

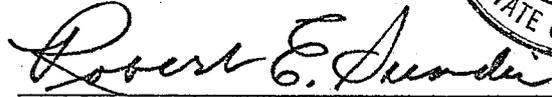
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:



  
WILLIAM L. GARLAND  
Administrative  
Water Quality Division  
STATE OF WYOMING  
July 2, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

xc: Western Water Consultants, Inc.  
P.O. Box 3042  
Sheridan, Wyoming 82801

Water Quality Division  
Groundwater Section  
Permit Application Review

*Wanna  
Ret to Glenida*

Application Number 84-234

Date Submitted For Review 6/14/84

Name and Location of Facility WYODAK RESOURCES - WYODAK MINE  
SEDIMENT TRAPS T52-1 T52-2  
S. 28 T50N R. 71W  
CAMPBELL Co.

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed Richard Lunn  
Title Eds. Eval  
Date 6/21/84

Approved 6/21/84  
(Date)

[Signature]  
(Signed)  
Groundwater Control Supervisor

Water Quality Division  
Groundwater Section  
Permit Application Review

*Norman*  
*Act. 6-5-84*

Application Number 84-234

Date Submitted For Review 5-29-84

Name and Location of Facility WYODAK TOPSOIL STOCKPILE No 2  
SEDIMENT TRAPS  
S 28 T 50 N R 71 W  
CAMPBELL CO

I have reviewed the plans and specifications with regard to all aspects of ground-water quality and find the following:

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed Richard Lennor  
Title Eng. Eval  
Date 6-5-84

Approved 6/5/84  
(Date)

ajm  
(Signed)  
Groundwater Control Supervisor



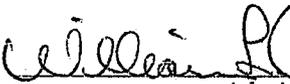
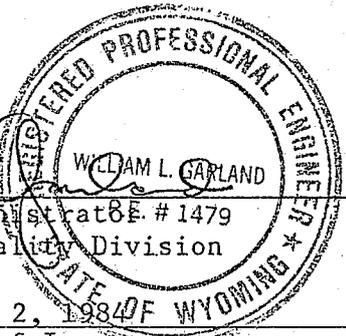
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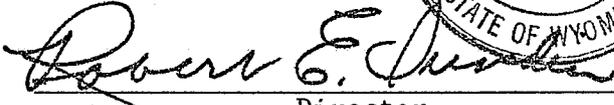
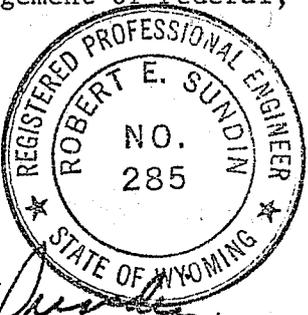
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, 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:

  
WILLIAM L. GARLAND  
Administrative # 1479  
Water Quality Division  
  
July 2, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality  


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

xc: H-W-S, Inc.  
P.O. Box 727  
Newcastle, WY 82701

*Norma*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2161 COFFEEN AVE., SUITE 301  
SHERIDAN, WYOMING 82801

PROJECT: Black Hills Power & Light  
Well #2 Water Line

ARCHITECT OR ENGINEER: Lawrence T. Price  
H-W-S, Inc.  
P.O. Box 727  
Newcastle, Wyoming 82701

WATER QUALITY DIVISION  
REFERENCE NUMBER: 84-235

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: June 25, 1984

ACTION: Not Authorized

COMMENTS:

- 1.) Section 303 of the Specifications - Water Service Connections - has apparently been left out of the Technical Specifications booklet. Please submit this section to us along with a detail drawing of a water service line.
- 2.) The depth of bury for the water line must be noted somewhere on the plans or in the specifications. 5.5 feet is the required minimum depth.
- 3.) As a point of information, I believe that Table 1 on page 8 of Section 301 of the specifications should be the allowable leakage for 100 couplings rather than 1000.

10-16



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: File: Irigarary Ranch ISL Project, Westinghouse  
FROM: Tim Holbrook, Engineering Evaluator TH  
DATE: October 11, 1985  
SUBJECT: Meeting Notes of 10/11/85, Westinghouse, Malapi Resources, Wyoming Minerals Corp., WQD, LQD, NRC Docket No. 40-8502 (LQD Ref. No. 478 and WQD Ref. NO. GPC 84-236)

The meeting concerned technical review comments submitted to Westinghouse in letter of October 4, 1985 from Glenn Mooney, LQD.

The coal zone was discussed. An October 1981 memo to file from M. Hulbert apparently gave approval to include coal zone in production zone if Wyoming Minerals Corp. (WMC) committed to restoration of coal zone at termination of mining. The memo did not address the existence of a confining layer above the production zone. In response to WQD comment by Tony Mancini on restoration goals (p. 12 of Mooney's memo), WMC agreed to submit a copy of a toxicology study performed at the University of Texas. WMC needs a DEQ conclusion on restoration goals for the coal zone, and on the existence of a confining layer above the coal zone.

The differences between trend and monitoring wells were discussed in reference to LQD's comment that monitor wells 400' away from the well field were too far away. WMC explained that control of lixiviant had been demonstrated after trend wells indicated the presence of lixiviant. Roger Shafer suggested that this was an item to be discussed by DEQ prior to responding to WMC.

Groundwater monitoring was discussed in general. WMC will submit a modified monitoring program to establish baseline in areas developed after the "30 acre" site. Submission of groundwater monitoring data in computer readable format was discussed briefly.

It was agreed that data from the 5I7 site restoration was not to be used as a basis for a commercial in-situ license.

Stabilization and restoration criteria were discussed. Jim Finley expressed concern that the E field had met restoration goals, but had not yet stabilized. WMC indicated the 12 month stabilization period was to end in November after which further sampling results will be submitted to DEQ for review.

The adequacy of existing baseline groundwater quality data was discussed. DEQ agreed to determine:

1. If existing baseline data was adequate, and
2. An acceptable procedure and an abbreviated chemical parameter list for baselining new areas.

Well casing integrity testing was discussed. DEQ agreed that 10% pressure drop during the U.S. Bureau of Mines test was acceptable.

WMC agreed to obtain necessary permits from WQD for any new waste disposal ponds or disposal wells.

TH/nc



*Department of Environmental Quality*  
*Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 20, 1984

Mr. Carleton Rutledge, Jr.  
Westinghouse Electric Corporation  
Uranium Resources Division  
Penn Center 3/400, P.O. Box 355  
Pittsburgh, PA 15230

RE: Permit GPC 84-236

Dear Mr. Rutledge:

Enclosed is the signed permit GPC 84-236 which authorizes a miscellaneous discharge to groundwater in the NW1/4 NW1/4 Section 9, T45N, R77W, Johnson County, Wyoming.

Also enclosed are several Reporting Forms, Form GPC 7. A Form GPC 7 should accompany each report or submittal to the Water Quality Division required by the subject permit.

One copy of the signed permit, without copies of Form GPC 7, is being mailed to Mr. Gray Bogden, WNI, Denver, CO.

Sincerely,

A handwritten signature in cursive script, appearing to read "William L. Garland".

William L. Garland  
Administrator

WLG/AJM/nc  
Enclosures

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

GROUNDWATER POLLUTION CONTROL PERMIT  
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS  
(Permit to Inject)

(X) New

Permit Number:

( ) Modified

GPC 84-236

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

Westinghouse Electric Corporation  
Uranium Resources Division  
Penn Center 3/400, P.O. Box 355  
Pittsburgh, PA 15230

Attention: Carleton Rutledge, Jr.

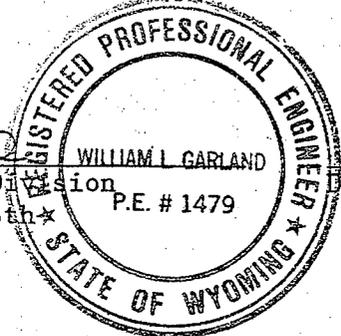
is authorized to operate

injection/recovery wells as part of a Groundwater Restoration Plan for the Alternate Lixiviant Test Area identified as the "E" Field in the NW1/4 NW1/4 Section 9, T45N, R77W, Johnson County, as a miscellaneous discharge to Groundwaters of the State

according to procedures and conditions of the application GPC 84-236 and requirements and other conditions of this permit.

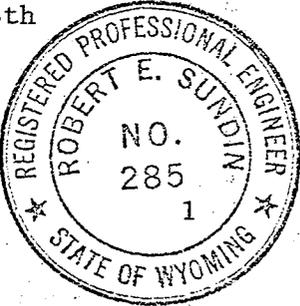
This permit shall become effective on date of issuance.

*William L. Garland*  
Administrator - Water Quality Division  
Herschler Building, 122 West 25th  
Cheyenne, WY 82002  
Phone: (307) 777-7781



*August 20, 1984*  
Date

*Robert E. Sundin*  
Director - Department of Environmental Quality  
Herschler Building, 122 West 25th  
Cheyenne, WY 82002



*Aug. 20, 1984*  
Date

A. Discharge (Injection) Zone and Area of Review

The discharge (injection) zone is the interval approximately 250-350 feet below the surface, identified as the "ore zone aquifer" (in the mining zone). The overall area of review is the area within a circle having a radius of 1/4 mile and its center at the approximate center of the Alternate Lixiviant Test Area shown on Attachment 1 of the submittal. The area of primary concern is the Test Area plus an outer buffer area.

B. Groundwater Classification

The groundwater within the discharge zone is Class V Mineral, because it is associated with commercial deposits of uranium. The Irigaray Well Field "E" was previously dedicated to alternate lixiviant testing. In 1979 three types of leaching processes were authorized: (1) CO<sub>2</sub> Leach, (2) Natural Lixiviant, and (3) Sodium Bicarbonate Leach. Restoration began on March 15, 1980 and reportedly was ended August 27, 1980. Current alternate lixiviant testing is for information purposes, for a demonstration of groundwater restoration capability.

C. Authorized Operations

The permittee is authorized to reinject reverse osmosis (R.O.) permeate in the "E" Well Field for a restoration demonstration. Approximately 75 gpm of solution will be recovered from the Test Area and passed through an anion exchange column to remove uranium. The pH of the recovered solution will be adjusted, after which the solution will pass through sand filters and polishing filters prior to R.O. processing. After R.O. treatment, the pH of the permeate will be adjusted prior to reinjection. The injected fluid will be clean water. A deoxygenating agent such as sodium sulfite or equivalent will not be added without prior request and approval of the Administrator.

The injection patterns to be used are shown in Attachment 1 of the Restoration Plan submitted with the application. Injection will be into existing "E" field injection wells. Permittee is authorized to construct additional wells in the test area as may be required to fulfill requirements of the proposed testing program.

Permittee is authorized to use pressure injection; pressure not to exceed a maximum value proposed by the Permittee based on well integrity testing and acceptable to the Administrator, and not to exceed 135 psig at the surface.

After 45 days of demonstration the R.O. unit may be shut down, recovered solution for the equivalent of one-two pore volume displacements may be injected without treatment. The demonstration may be discontinued before 45 days.

The requirements of this permit are intended to be coordinate with relevant requirements of DEQ/LQD Permit to Mine #478, and with NRC License No. SUA-1341 (Rev.); inasmuch as the latter permit and license generally authorize these operations.

This permit does not authorize a special process discharge (in situ mining).

D. Proper Operation and Maintenance

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

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

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

E. Entry and Inspection

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

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

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.

3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The name(s) of individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. Names of individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

Prior to beginning the restoration demonstration utilizing clean water recycle, one set of fluid samples will be collected and analyzed for the baseline suite from the following wells:

<u>Containment Trend Wells</u>	<u>Deep Zone Monitor</u>	<u>Shallow Zone Monitor</u>	<u>Mine Zone</u>
9T-10	9DM-8	9SM-12	EI-15
9T-11			EI-16
9T-19			EI-81
9T-20			EI-68
			EI-2
			EI-18
			EI-62

Water levels will be measured prior to sampling.

The baseline suite of parameters consists of:

NH4	Gross alpha	K
As	Gross beta	Ra-226
Ba	Alkalinity as CaCO3	Se
HCO3	Fe	SiO2
B	Pb	Ag
Cd	Mg	Na
Ca	Mn	S04
CO3	Hg	TDS
Cl	Mo	Th-230
Cr	Ni	V
Conductivity	NO3	U308
Cu	NO2	Zn
F	pH	

At the end of the demonstration, samples will be taken from the mine zone wells, trend wells, shallow zone monitor well and deep zone monitor well, and analyzed for the baseline suite.

Restoration progress will be determined by analyzing samples of the composite recovery stream on the following schedule:

- a. On a daily basis, analyze for pH, total carbonate, chloride, sulfate, and conductivity.
- b. On a weekly basis parameters of a. above and uranium, sodium, calcium, iron and manganese.

Every two weeks, samples from each recovery well individually will be analyzed for pH, total carbonates, chloride, sulfate, uranium and conductivity.

During the restoration demonstration, the following monitoring wells will be sampled at a frequency of once each 15-day period:

<u>Containment Zone</u>	<u>Deep Zone</u>	<u>Shallow Zone</u>
9T-10	9DM-8	9SM-12
9T-11		
9T-19		
9T-20		

Samples will be analyzed for total alkalinity, chloride and conductivity. Water levels will be measured prior to sampling, each time sampling is done.

Post-restoration monitoring: the following schedule will apply for stabilization monitoring:

<u>Days after Restoration Ended</u>	<u>Wells Sampled</u>	<u>Parameters</u>
30	Mine Zone Wells	Alkalinity, As, CO3 (total), Ca, Cl, Conductivity, Mo, pH, Se, Na, SO4, U, Ra-226
60	Mine Zone Wells	Same as 30 days
90	Mine Zone Wells Trend Wells 9DM-8 & 9SM-12	Baseline Suite
120	Mine Zone Wells	Same as 30 days
150	Mine Zone Wells	Same as 30 days
180	Mine Zone Wells Trend Wells 9DM-8 & 9SM-12	Baseline Suite
270	Mine Zone Wells	Baseline Suite
360	Mine Zone Wells Trend Wells 9DM-8 & 9SM-12	Baseline Suite

This program does not negate any additional monitoring requirements imposed by the DEQ/LQD.

G. Requirements for Monitoring the Discharge

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

Permittee shall take necessary precautions to assure that injection pressure shall not exceed the pressure authorized in Section C. of this permit.

On-site records of pressure injection shall be maintained and shall be available for inspection.

H. Test Procedures

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

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the report or application.
2. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified elsewhere in the permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable Groundwater of the State.
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable Groundwaters of the State.

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

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.
9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:
  - a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
  - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
  - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.

Public notice and the opportunity for hearing is not required for this permit. Permittee is not required to submit notices of well-construction completion to the Administrator. Pre-injection mechanical-integrity-testing requirements are as stated in Item K. of this permit.

11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.

For this permit, the annual report may be submitted to WQD concurrently with the report submitted to DEQ/LQD.

12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

For this permit, such report may be submitted to WQD concurrently with the report submitted to DEQ/LQD.

J. Permit Actions

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

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

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

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the Council.

This operation (permit) can be terminated by authority of the Administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every ten (10) years by the Administrator. (Not applicable to this permit.)

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Injection shall not commence unless and until Permittee has demonstrated/documentated required well mechanical integrity, pursuant to Permittee's agreement with DEQ/LQD.

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

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, for purposes of the Water Quality Division, have been met. The State assumes no liability for, and does not in any way guarantee the performances of, the permittee in the exercise of its activities allowed under this permit.

L. Abandonment

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

Wells shall be abandoned in compliance with DEQ requirements.

M. Duties of the Permittee

It is a duty of the permittee to:

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

N. Financial Responsibility

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

Current bonding requirements of the DEQ/Land Quality Division are satisfactory for this permit.

O. Special measures the Director finds necessary:

Permittee shall submit a comprehensive report to the WQD following cessation of the pilot restoration project, describing findings and conclusions and related topics; this report may be submitted concurrently with the report submitted to DEQ/LQD.

P. Special permit conditions:

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

For this permit, existing monitor wells 400 feet from the outermost "E-Field" wells will be used to determine if corrective action may be necessary due to lateral migration, as described in DEQ/LQD Permit to Mine #478. The necessity for corrective action due to vertical migration shall be evaluated on a case-by-case basis for the purposes of this permit; the results of any such evaluation shall not be in contradiction to requirements of any other DEQ permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

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

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

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

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

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

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

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

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

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immedi-

ately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

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

S. Permit Transfer

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

T. Responsibilities

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

U. Property Rights

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

V. Severability

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

8-27-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-237RR  
MA 14068

Glenrock Cattle Sale Barn  
(Name of Facility)

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

Central Wyoming Livestock Exchange, Inc.

5011 Alcova Route, Box 29

Casper, WY 82604

to construct, install, or modify a storm water runoff retention pond, sewer line and water line facility according to the procedures and conditions of the application No. 84-237. The facility is located in Section 3, T33N, R75W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

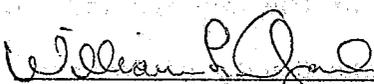
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

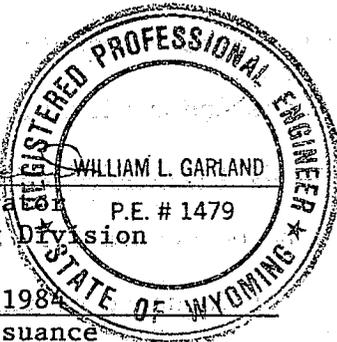
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

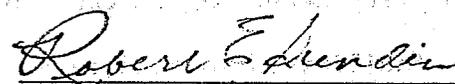
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

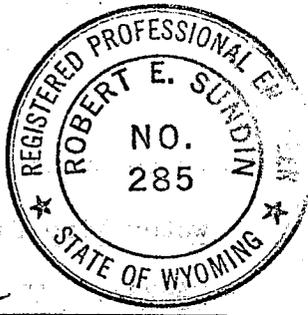
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
August 22, 1982  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

cc: C. K. Wolz  
3330 Navarre Rd.  
Casper, WY 82604

8-15-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Proposed Sale Barn, Converse Co.

ARCHITECT OR ENGINEER: C.K. Wolz, P.E., 3330 Navarre Road  
Casper, WY 82604

APPLICANT: Central Wyoming Livestock Exchange, Inc.  
Box 29, Casper, WY 82604

WATER QUALITY DIVISION REFERENCE NUMBER: 84-237R

REVIEWING ENGINEER: Theodore D. Coyer, P.E.

*Theodore D. Coyer*

DATE OF REVIEW: August 14, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Since the proposed runoff retention pond will discharge into the Town of Glenrock's sewerage lagoon and since the Town is proposing to construct an oxidation ditch treatment plant in the near future, pretreatment of the wastewater from this facility will be required (such as flow equalization) when the oxidation ditch is constructed. Therefore, we will need commitment from the owners of this facility stating they will provide pretreatment, if required by this department and/or the Town of Glenrock. The commitment will need to take the form of a written agreement between the Town and owners of this facility. The agreement will need to be signed by authorized representatives of both parties.

To Ted  
8/8/84

WATER QUALITY DIVISION  
GROUNDWATER SECTION  
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 84-237 R

DATE SUBMITTED FOR REVIEW 6-26-84

NAME AND LOCATION OF FACILITY Salbarn  
Glenrock

I have reviewed the plans and specifications with regard to all aspects of groundwater quality and find the following:

- ~~( )~~ No comment. The submittal is consistent with current groundwater protection procedures and requirements.
- (✓) Comments attached.

SIGNED P. Paucel

TITLE \_\_\_\_\_

DATE 7-27-84

APPROVED 8/6/84  
(Date)

[Signature]  
Groundwater Control Supervisor

MEMORANDUM

TO: Ted Coyer  
FROM: Phil Pucel *phil*  
DATE: August 8, 1984  
SUBJECT: Proposed Sale Barn, Glenrock, WY, DEQ/WQD Ref. No. 84-237R

Five wells are located in the immediate vicinity of the proposed sale barn:

Section 3, T33N, R75W:

<u>1/4-1/4</u>	<u>Permit No.</u>	<u>Depth</u>	<u>SWL</u>	<u>Depth to 1st Water-bearing Strata</u>	<u>Use</u>
NE/SE	P1009W	355'	50'	144'	Industrial
SW/SE	P683W	250'	50'	105'	Industrial
SW/SE	P808W	341'	50'	95'	Industrial
SW/SE	P7705W	180'	45'	87'	DOM
SW/SE	P12827W				DOM

The current status of these wells is unknown in regards to usage and protection from surface contamination. Provided that these wells are properly protected, then the proposed facility would not be considered to be a threat to groundwater supplies.

6-14-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Proposed Sale Barn, Converse Co.

ARCHITECT OR ENGINEER: C. K. Wolz, P.E.  
3330 Navarre Road, Casper, WY 82604

APPLICANT: Central Wyoming Livestock Exchange Inc.  
Box 29, Casper, WY 82604

WATER QUALITY DIVISION REFERENCE NUMBER: 84-237

REVIEWING ENGINEER: Theodore D. Coyer, P.E.

*Theodore D. Coyer*

DATE OF REVIEW: June 13, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide the profile of the 6" sewer.
2. What is the volume of wastewater expected from the proposed sale barn?
3. The discharge from the storm water runoff retention pond should not discharge into the sewage lagoon. However, if you must discharge into the lagoon, you must evaluate the potential impact, both organically and hydraulically, on the sewage system.
4. If you elect to design the retention pond for full containment, it must be designed for a 25 year-24 hour precipitation event. Also, how will the pond be discharged after the rain. If you discharge to be surface water or land apply it, you will need a permit for it.
5. Some type of drainage barrier should be constructed around the proposed corral to prevent water from other areas from entering the retention basin.
6. How will you protect the groundwater under this site?
7. Construction specifications for the retention pond dikes must be provided.
8. Will you be able to maintain the average working pressure of 35 p.s.i. in the potable water system? Will you be able to maintain the minimum pressure of 20 p.s.i. under peak flow conditions (including fire flow)?

7-6-84

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 84-238R

MA 14068

Torrington Water Distribution System Improvements Contract 2-D  
(Name of Facility)

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

Town of Torrington

P.O. Box 250

Torrington, WY 82240

to construct, install, or modify a municipal water distribution mains, West C Booster Pump/pressure reducing station Kenmoor Booster Pump Station facility according to the procedures and conditions of the application No. 84-238R. The facility is located in Section 3, 9, 10, 14, 15, T24N, R61W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

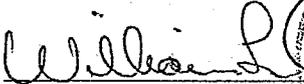
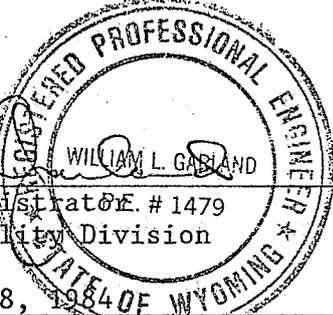
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

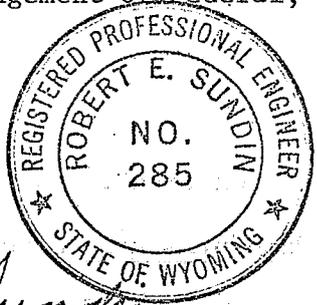
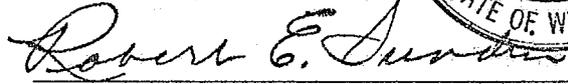
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 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 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 E. # 1479  
Water Quality Division  
June 28, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

cc: John T. Baker  
Baker, Sweeney & Associates  
1915 First Avenue  
Scottsbluff, NE 69367

6-8-84

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1111 East Lincolnway  
Cheyenne, Wyoming 82002

PROJECT: Town of Torrington, Water Distribution System, Contract 2-D

ARCHITECT OR ENGINEER: John T. Baker, Baker, Sweeney & Assoc.  
1915 First Ave., Scottsbluff, NE 69361

APPLICANT: Town of Torrington  
P.O. Box 250, Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 84-238

REVIEWING ENGINEER: Thomas S. Norman *T.S. Norman*

DATE OF REVIEW: June 6, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Design information was not submitted substantiating that the booster pumps will not create a negative pressure in the suction line during operation and also will not reduce pressures to below acceptable working pressures in the consumer part of the distribution system.
2. From Torrington's water system master plan, I assume that the booster pump at West C Street is the main source of water to the new storage tank. If this is correct, two booster pumps are required for reliability.
3. I am not sure of how the pumps and valves will be controlled and operated. What prevents the water from the pump from being recirculated back through the pressure reducing and sustaining valve? Which has higher priority the pressure reducing mechanism, the pump or the pressure sustaining mechanism (i.e., if both zones have high pressures or if both zones have low pressures, which device has priority)? What controls the on/off switch of the booster pump? What is the need for a pressure relief valve when there are two pressure sustaining valves which control upstream pressures?
4. I could not find the specifications on the 6-inch electric check valve.

7-20-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-239R

LAKE ESTATES ADDITION TO THE  
TOWN OF PINEDALE

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

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

Fredrick J. & Christine M. Mollring  
P. O. Box 1149  
Jackson, WY 83001

to construct, install, or modify a water distribution and sewage collection lines

\_\_\_\_\_ facility according to the procedures and conditions of the  
application No. 84-239R. The facility is located in \_\_\_\_\_

\_\_\_\_\_ Section 33, T34N, R109W

\_\_\_\_\_ in the County of Sublette,

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

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

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

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

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

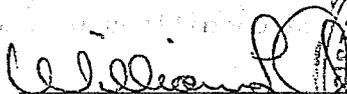
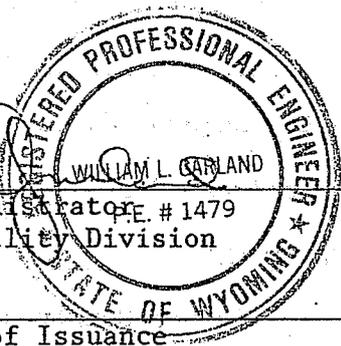
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

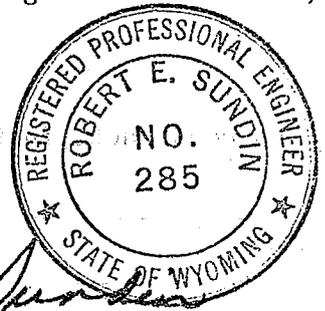
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  


  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


July 5, 1984  
Date of Issuance

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

JH:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
165 E. Railroad Ave.  
Green River, Wyoming 82935  
Phone: (307) 875-6911

PROJECT: Lake Estates Addition to the Town of Pinedale

ENGINEER: Phillip Essington  
Rio Verde Engineering  
P. O. Box 67  
Pinedale, WY 82941

OWNER: Fredrick & Christine Mollring  
P. O. Box 1149  
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 84-239

REVIEWING ENGINEER: Jeff Hermansky *Jeff*

DATE OF REVIEW: June 15, 1984

ACTION: Not Authorized.

COMMENTS: The following question and comments need to be addressed before a  
"Permit to Construct" can be issued:

1. The plans need to be signed by an engineer.
2. The water line plans need to be more detailed showing stationing with locations of all valves, bends, tees, thrust blocks, fire hydrants, etc.
3. There should be a note on the plans stating specific materials and construction methods for pipe lines in areas of saturated soils.

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

JH/mpm

*ABC*



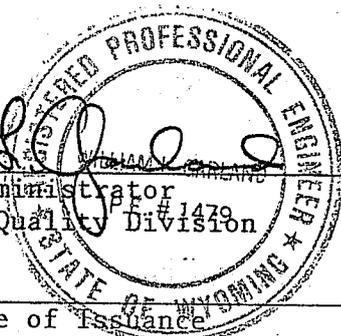
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

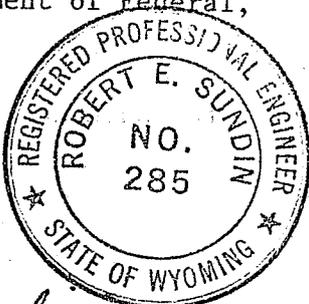
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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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  
#1479  
  
June 11, 1984  
\_\_\_\_\_  
Date of Issuance

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

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

JH:dcn



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, 210 Lincoln, Lander, Wyoming 82520; telephone, 332-3144.

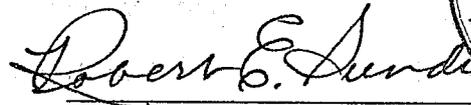
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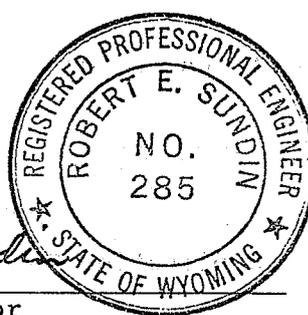
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Adminisrator  
Water Quality Division  
June 13, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

\* CONDITIONS ON PERMIT \*

This Permit is issued with the intent of providing an interim on site wastewater treatment facility until such time that treatment is available through the City of Cody's wastewater system.

The facility authorized by this Permit can be operated until the reginal system is made available to the softball fields. At that time, the facility authorized by this Permit must be abandoned and connection made to the City of Cody's collection system.

The permittee shall notify Earl Mathers, the City of Cody's building inspector, of the day construction is to commence and the estimated completion date of this project. Final inspection of the installed system is required before backfilling.

JH:dcn

6-7-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-242  
MA 14068

Town of Mills, Van Horn Avenue Water Line  
(Name of Facility)

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

Town of Mills

P.O. Box 789

Mills, WY. 82644

to construct, install, or modify a municipal water distribution line facility according to the procedures and conditions of the application No. 84-242. The facility is located in Van Horn Avenue, Section 7, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

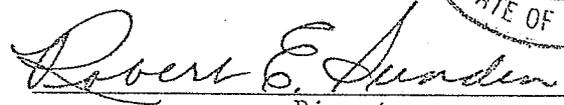
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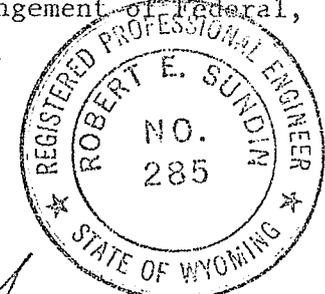
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
June 4, 1984  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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

cc: Terry L. Titus  
Worthington, Lenhart, Carpenter & Johnson, Inc.  
632 So. David Street  
Casper, WY 82601

6-13-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-243  
MA 14068

Lowell Street Water Extension  
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a municipal water distribution facility according to the procedures and conditions of the application No. 84-243. The facility is located in Section 10, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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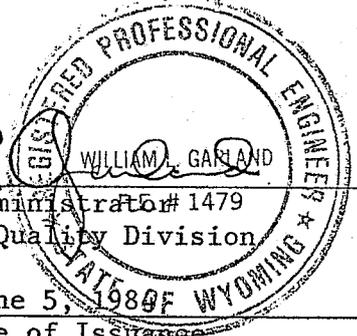
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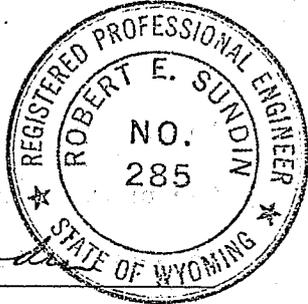
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
June 5, 1989  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

cc: Jack Carlson  
City of Casper  
200 North David  
Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-244  
 SEE SPECIAL CONDITIONS  
 MA 14089

North Casper Improvement Area - IV  
 (Name of Facility)

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

Casper Board of Public Utilities

200 North David Street

Casper, WY 82601

to construct, install, or modify potable water lines according to the procedures and conditions of the application No. 84-244. The facility is located in Section 3, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or 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, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

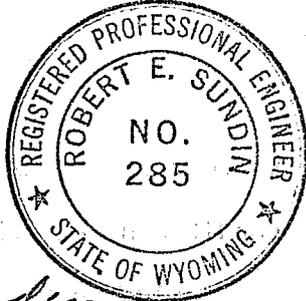
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AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "STATE OF WYOMING" around the bottom edge, and "WILLIAM L. GARLAND" in the center. Below the seal, the name "William L. Garland" is written in cursive, followed by "Administrator P.E. #1479" and "Water Quality Division".

WILLIAM L. GARLAND  
Administrator P.E. #1479  
Water Quality Division

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "STATE OF WYOMING" around the bottom edge, and "ROBERT E. SUNDM" in the center. Below the seal, the name "Robert E. Sunden" is written in cursive, followed by "Director" and "Dept. of Environmental Quality".

ROBERT E. SUNDM  
Director  
Dept. of Environmental Quality

June 8, 1984  
Date of Issuance

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

Conditions to Permit to Construct #84-244

1. Air release valves should be installed at all high points or regrade the water lines to eliminate the high points where possible.
2. At least 18-inches should separate the water lines from sewers at all crossings.

cc: Dick J. Prosser  
Buell Winter Mousel and Associates  
123 West First Street, Suite C-70-37  
Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 84-245  
MA 14068

Parkview Drive Sanitary Sewer  
(Name of Facility)

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

Cheyenne Board of Public Utilities

2100 Pioneer Avenue

Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater collection system facility according to the procedures and conditions of the application No. 84-245. The facility is located in Section 27, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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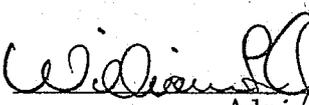
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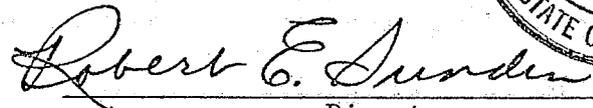
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AUTHORIZED BY:

  
WILLIAM E. GARLAND  
Administrator # 1479  
Water Quality Division  
STATE OF WYOMING  
REGISTERED PROFESSIONAL ENGINEER

  
ROBERT E. SUNDEN  
Director  
Dept. of Environmental Quality  
REGISTERED PROFESSIONAL ENGINEER  
NO. 285  
STATE OF WYOMING

June 5, 1984  
Date of Issuance

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

cc: Peter Abplanalp, P.E.  
Intermountain Professional Services Inc.  
2206 Pioneer Avenue  
Cheyenne, WY 82001



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 17, 1984

Mr. Albert Dickinson, Jr.  
Route 2, Box 555  
Riverton, Wyoming 82501

RE: Dickinson Mobile Home Park Waste-  
water Chlorinator, #84-247R

Dear Mr. Dickinson:

I have reviewed the as built plans of the Dickinson Mobile Home Park wastewater chlorination system and building. As per my June 18, 1984 review letter, the inspection window, locked cover for chlorine ejector, and backflow preventor for the 1/2" water line, have been installed. The plans sent by Cardinal Engineering show these changes.

A permit to construct can't be issued for this project since it has already been constructed. However, since the facility, as constructed, appears to meet the minimum design standards, I am issuing this letter as authorization of the as built construction.

For future reference, any new construction or modifications to your water or sewage systems must be authorized prior to construction.

Please feel free to contact either Ed Baruth or me if you have any questions.

Respectfully,

A handwritten signature in cursive script that reads "Jeff Hermansky".

Jeff Hermansky  
Water Quality Evaluator

JH:dcn

xc: Jerry Crews, Cardinal Engineering  
Jake Strohman, DEQ/WQD Cheyenne  
Plans #84-247R  
File

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN  
LANDER, WYOMING 82520  
PHONE: (307) 332-3144

CERTIFIED MAIL #P 289 233 574

PROJECT: Dickinson Mobile Home Park Wastewater Chlorinator

ENGINEER: Cardinal Engineering Co.  
2334 Rose Lane  
Riverton, WY 82501

OWNER: Albert Dickinson, Jr.  
Route 2, Box 555  
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: #84-247

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: June 18, 1984

ACTION: **Not authorized.**

COMMENTS: The following items must be addressed before the as built construction of the gas chlorination system can be authorized:

1. The door to the chlorination building must have an inspection window.
2. The chlorine ejector is exposed to tampering by unauthorized personnel. The ejector must be protected by a locked cover.
3. The ½ inch waterline to the ejector must be protected by a backflow preventor.

The items listed above must be completed within 30 days of receipt of this review letter.

Please notify this office upon completion of the work so a final inspection can be scheduled.

JH:dcn

B

NORMA

THE STATE



OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

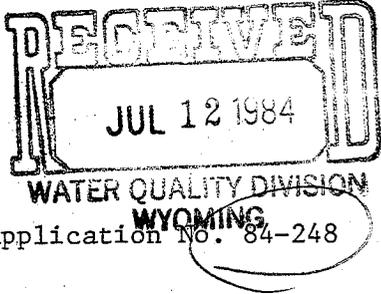
2161 COFFEEN AVENUE,  
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

July 11, 1984

Mr. Archie Oaks  
Bighorn Services, Inc.  
P.O. Box 1011  
Gillette, Wyoming 82716



RE: DEQ Application No. 84-248

Dear Mr. Oaks:

This letter is to inform you that your application for a Permit to Construct a wastewater treatment facility (septic system) for Bighorn Services, Inc. office building has been denied. The facility was to be located in Section 3, T.49N., R.72W. of Campbell County.

The basis for denial is non-compliance with the Gillette 201 Non-Metro Wastewater Facilities Plan. The Plan calls for all wastewater generated within a specified service area to be conveyed and treated at the Gillette municipal wastewater treatment facility. Your office building is within the defined service area. Since sewer service is now available within several hundred feet of your building, we cannot issue a Permit to Construct for an on-site wastewater treatment facility at this location. Such action would not be in compliance with the approved water quality management plan.

This decision may be waived, and a temporary on-site system approved, if you can reach an acceptable agreement with the City of Gillette and Campbell County which would assure that your building is connected to the regional sewer system and the on-site system abandoned within a specified time. Such a decision could only be made if it is demonstrated that a leach field would be more cost-effective at this time than installation of a sewer line from your building to the regional sewer system.

You have a right to appeal this denial to the Environmental Quality Council. Any such appeal must be made in writing to Mr. Robert Sundin, Director,

Mr. Archie Oaks  
July 11, 1984  
Page Two

Department of Environmental Quality, Herschler Building, Fourth Floor,  
122 West 25th, Cheyenne, Wyoming, 82002, within 10 days of your receipt  
of this denial, and must state the reasons for appeal.

Sincerely,



Rich Ruyle  
Environmental Engineer

RR:ls

xc: Mal Crawford, Haug Engineering & Surveying  
Bill Flaherty, Campbell County Engineer's Office  
Larry Robinson, DEQ/WQD  
Jeffery Smith, City of Gillette



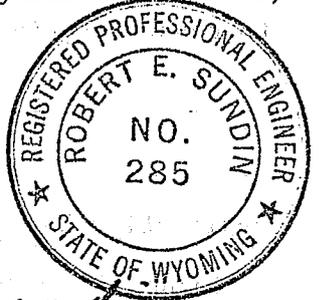
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

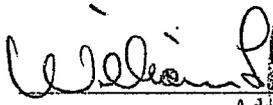
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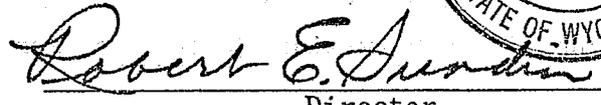
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AUTHORIZED BY:



  
WILLIAM J. GARLAND  
Administrative # 1479  
Water Quality Division  
June 26, 1984  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

xc: Robert C. Hartley & Associates  
Box 2172  
Glenrock, Wyoming 82637

6-13-84

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 84-250

MA 14068

Hillside Addition - Block One  
(Name of Facility)

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

Vernon Camp

3412 Bevans

Cheyenne, WY 82001

to construct, install, or modify a municipal sewerage collection line facility according to the procedures and conditions of the application No. 84-250. The facility is located in Section 7, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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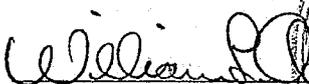
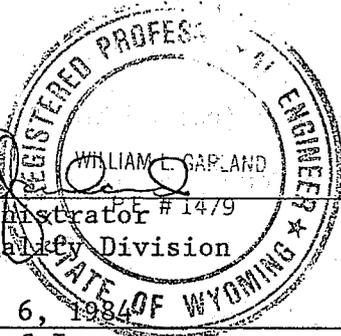
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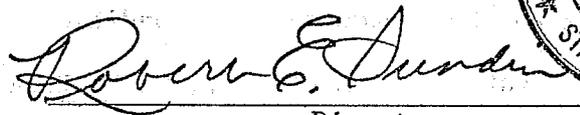
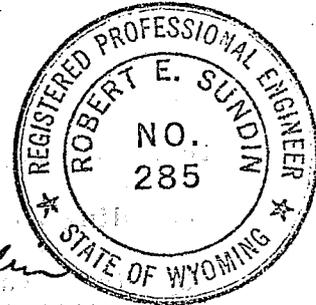
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AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
STATE OF WYOMING  
June 6, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

cc: Peter J. Hutchison  
Hutchison Engineering  
1902 Thomes Ave.  
Cheyenne, WY 82001