

3-5-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-51

Frontier Mall Drive - Meadowbrooke Park
(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a potable water main and sanitary sewer facility according to the procedures and conditions of the application No. 82-51. The facility is located in Section 29, 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.

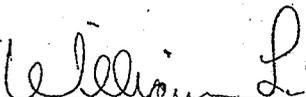
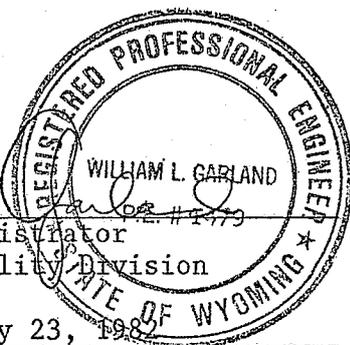
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

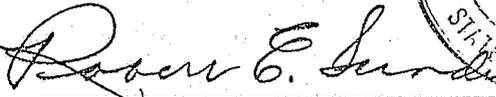
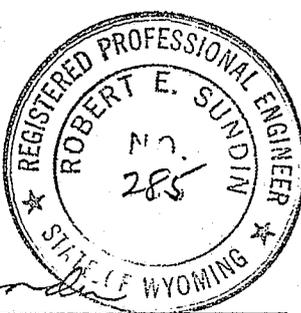
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
No. # 4779
Administrator
Water Quality Division



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


February 23, 1988
Date of Issuance

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

cc: Roy A. Bingman
Century West, Inc.
1651 Carey Ave.
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-52

Natrona Avenue Water & Sewer Extension
(Name of Facility)

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

Town of Mills

704 4th Street

Mills, WY 82644

to construct, install, or modify a municipal water distribution and wastewater collection systems facility according to the procedures and conditions of the application No. 82-52. The facility is located in Section 1, T33N, R80W, Natrona Ave. 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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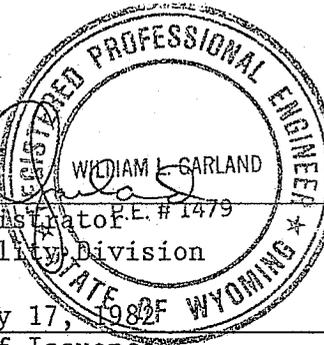
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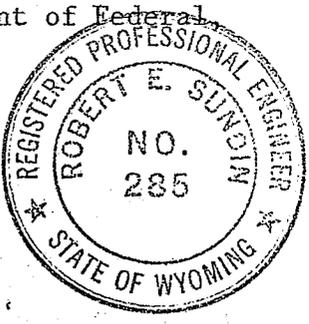
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AUTHORIZED BY:


William L. Garland
WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
February 17, 1982
Date of Issuance


Robert E. Sardin
Director
Dept. of Environmental Quality

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

cc: E. C. Lenhart
WLC & J, Inc.
632 South David St.
Casper, WY 82601

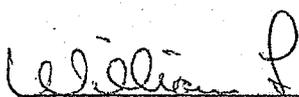
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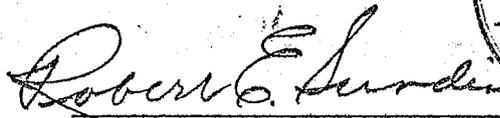
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AUTHORIZED BY:


WILLIAM L. GARLAND
1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division

March 2, 1982
Date of Issuance


REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

Director
Dept. of Environmental Quality

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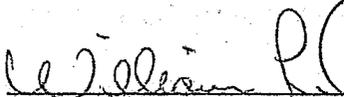
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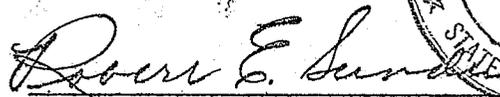
AUTHORIZED BY:



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

Administrator
Water Quality Division

March 2, 1982
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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Reeves Inc., Irvine Pit Sediment Ponds

ARCHITECT OR ENGINEER: Gary Williams
P.O. Box 610
Buffalo, Wyoming 82834

WATER QUALITY DIVISION
REFERENCE NUMBER: 82-54

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: February 19, 1982

ACTION: Not Authorized

COMMENTS:

- 1) What type of mining operation is planned? What are the wastewater characteristics? What is the anticipated life of the ponds?
- 2) Design calculations or method of sizing the ponds should be provided.
- 3) What is the operating depth of the ponds? There should be two to three feet of freeboard.
- 4) Elevations and locations should be provided if possible for the pond bottoms, dikes, and transfer piping to provide a basis for construction and to ensure a proper hydraulic flow line.
- 5) Material and installation specifications for the piping should be provided.
- 6) Construction specifications are needed for the dikes and pond bottoms, i.e., compaction details.
- 7) Information on the pump is needed (model, size, installation).
- 8) Depth to groundwater should be noted.
- 9) Drainage of surface runoff around the ponds should be addressed.
- 10) The enclosed application sheet should be filled out and returned.
- 11) Three copies of all submittals should be provided.
- 12) The plans should be signed by a professional engineer registered in Wyoming.

Feel free to contact me with questions.



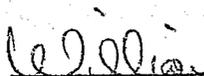
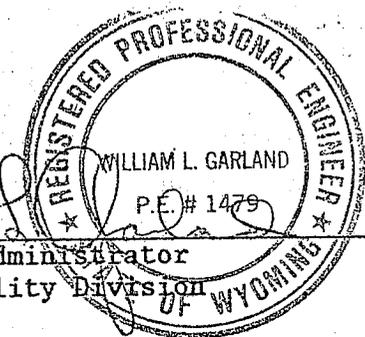
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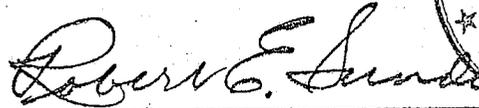
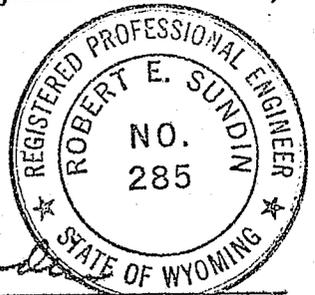
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AUTHORIZED BY:



Administrator
Water Quality Division
STATE OF WYOMING



Director
Dept. of Environmental Quality

March 2, 1982
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

NORMA

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Echeta Road Relief Sewer

ARCHITECT OR ENGINEER: Jeffrey M. Smith
City of Gillette
P.O. Box 3003
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 82-55

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: February 19, 1982

ACTION: Not Authorized

COMMENTS:

- 1.) The City of Gillette's Construction Specifications require 400 feet between manholes for 15 inch sewers.
- 2.) I do not completely understand Detail "A" on Sheet 1.
 - a.) The proposed PVC line between MH-1 and MH-A is shown as eight inches on the manhole profile and the sewer line profile and 15 inches on the plan view.
 - b.) The in and out invert elevations of the 15 inch through MH-1 are both listed as 37.30 on the manhole profile.
 - c.) The invert in for the 15 inch line to MH-A is listed as 36.80 in the profile drawing and 36.10 in the plan view.
 - d.) Does the existing eight inch VCP flow into MH-1 and the 10 inch VCP flow out? Do you anticipate use of the 10 inch line?
- 3.) The new sewer line appears to be closer than 10 feet to the 12 inch water line near MH-5.
- 4.) The 12 inch cast iron water pipe crossings adjacent to MH-2 and MH-5 are not shown on the sewer profile of Sheet 3.

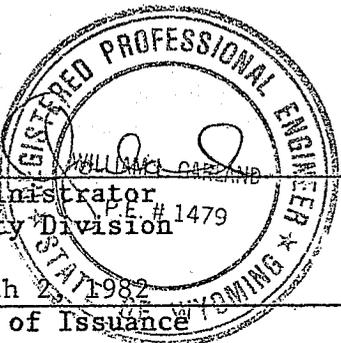
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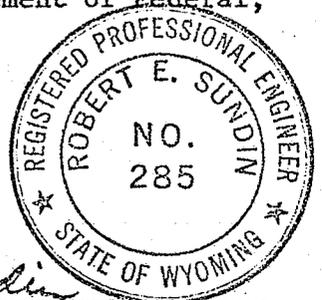
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AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the name "WILLIAM CARLSON" and the number "P.E. #1479".
William Carlson

Administrator
Water Quality Division
March 2, 1982

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.

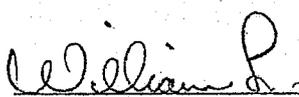
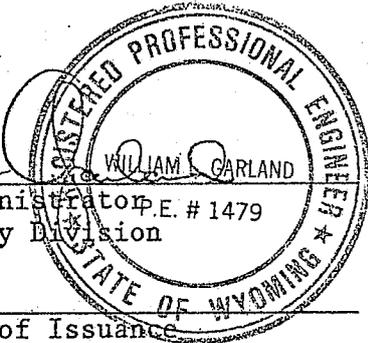
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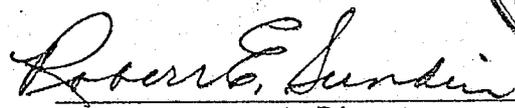
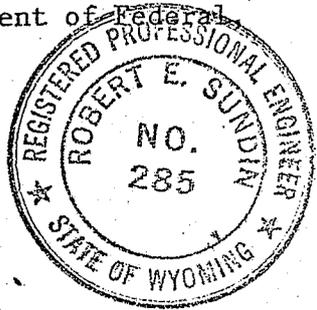
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AUTHORIZED BY:


WILLIAM CARLAND
Administrator P.E. # 1479
Water Quality Division
March 4, 1982
Date of Issuance



Director
Dept. of Environmental Quality


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

CONDITION OF PERMIT

This permit is issued with the condition that the temporary on-site facilities, authorized by this permit, are to be abandoned when a public sewage collection line serving the Evanston Planning Area becomes available. Connection to the public collection line must be made at that time.

FL:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: SEVENTH DAY ADVENTIST CHURCH

ENGINEER: Gene P. Smith
Uinta Eng. & Surv., Inc.
PO Box 746
Evanston, WY 82930

OWNER: Wyoming Conference Association of
Seventh Day Adventists
c/o Pastor Johnson
PO Box 283
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 82-57

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: February 25, 1982

ACTION: Not authorized.

COMMENTS: The proposed facility expansion is within the boundaries of the City of Evanston Planning Area Boundary. Please have the City of Evanston engineer review the plans to see if they are consistent with those of the planning area and request he submit a letter to this office when he approves the plans.

FL:ch

cc: James Golding - City of Evanston

A

4-13-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-58

Allied Solution Mine Surge and Containment Reservoirs
(Name of Facility)

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

Allied Chemical Company
PO Box 551
Green River, WY 82935

to construct, install, or modify & two reservoirs to contain solution mining surge water and solution mining product solution, a storm water collection system and one sedimentation basin facility according to the procedures and conditions of the

application No. 82-58. The facility is located in _____

Sec. 20, T16, T109

_____ 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.

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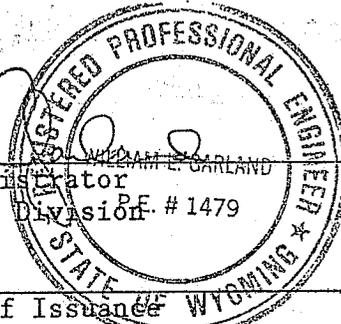
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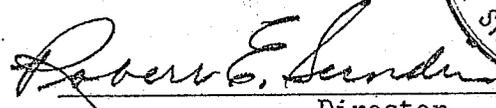
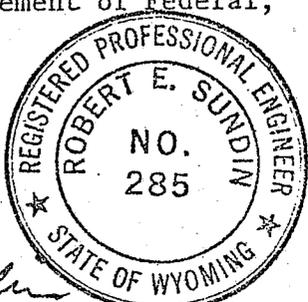
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division PE # 1479



ROBERT E. SUNDIN
Director
Dept. of Environmental Quality


March 25, 1982

Date of Issuance

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

FL:ch

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 82-58

Date submitted for review Feb 16, 1982

Name and location of facility Allied Chemical

In-Situ Trona Mining

Surge and Containment Ponds

Sec. 20, T. 16, R. 109, Sweetwater Co.

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 Phil Purcell

Title WQ Engineering Evaluator

Date March 19, 1982

*Sent to Landow
3/22/82
plans in confidential
AGM file
3/19/82*

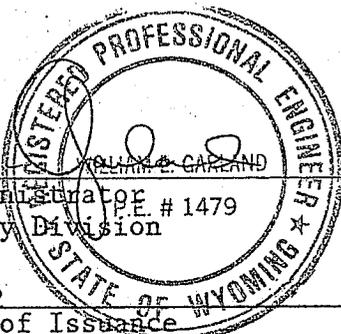
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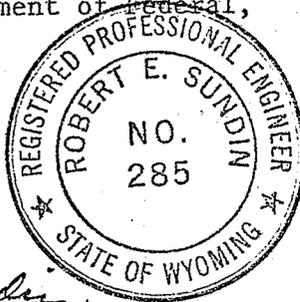
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AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
P.E. # 1479
February 18, 1982
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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MRC:ch

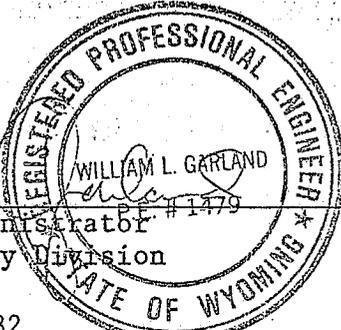
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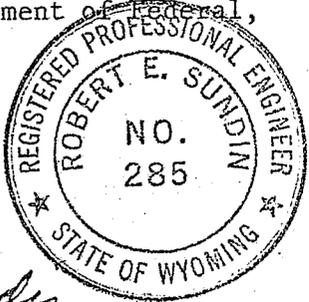
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AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
February 19, 1982
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.

MRC:ch

3-25-12

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-61R

City of Rawlins 14" Wooden Water Line
(Name of Facility)

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

Wyoming Interstate Company, Ltd.

P.O. Box 1087

Colorado Springs, CO 80944

to construct, install, or modify a forty foot section of a municipal water distribution system pipe facility according to the procedures and conditions of the application No. 82-61. The facility is located in Section 30, T21N, R87W 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.

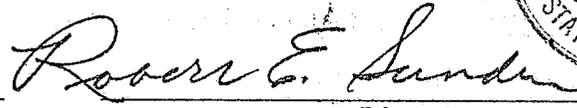
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
Administrator # 1479
Water Quality Division
STATE OF WYOMING
March 16, 1982
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: James Carney
City of Rawlins
P.O. Box 953
Rawlins, WY 82301

5-27-82

PERMIT TO CONSTRUCT

New

Permit No. 82-62RR

Renewal

Modified

Motel 6, Inc.
(Name of Facility)

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

Motel 6, Inc.
c/o Earl Ledbetter
54 Hitchcock Way
Santa Barbara, CA 93105

to construct, install, or modify a municipal water and wastewater extension facility according to the procedures and conditions of the application No. 82-62RR. The facility is located in Section 5, 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.

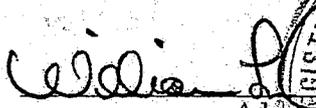
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

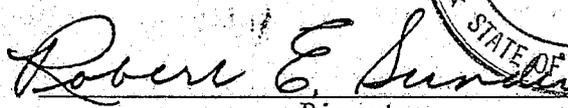
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Administrator # 1479
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
May 20, 1987
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: Martin, Northart & Spencer
414 East Cota Street
Santa Barbara, CA 93101

4-16-82

Review of Plans and Specifications

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

PROJECT: Motel 6, Inc., Casper, WY, Natrona Co

ARCHITECT OR ENGINEER:

APPLICANT: Motel 6, Inc.
51 Hitchcock Way, Santa Barbara, CA 93105

WATER QUALITY DIVISION REFERENCE NUMBER: 82-62R

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

DATE OF REVIEW: April 16, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Wyoming Water Quality Rules and Regulations require that all plans and specifications be signed and/or sealed by a registered Wyoming Professional Engineer. The plans submitted with your application were not signed or sealed. To reduce the paper work, you may submit just the cover sheet of the plans with the seal or signature of a Wyoming Professional Engineer.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-63
SEE SPECIAL CONDITIONS

Western Hills 11th Filing
(Name of Facility)

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

City of Cheyenne

2101 O'Neil

Cheyenne, WY 82001

to construct, install, or modify a potable water distribution and sewage collection systems facility according to the procedures and conditions of the application No. 82-63. The facility is located in Section 13, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (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.

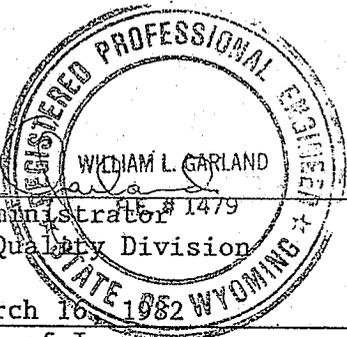
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

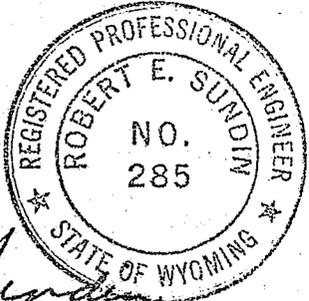
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division
March 16, 1982
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.

Conditions to Permit to Construct

1. The sanitary sewer stubs in Kilty Avenue, Rodeo Avenue, Laredo Court and Earl Court shall be eliminated by relocating the uppermost manhole to the end of the sewer mains.
2. The grade of the sanitary sewer in Kingswood Drive from Station 2+72 to 5+35 is incorrectly shown. It should be 5.15%.
3. A valve shall be placed in the water mains in Kingswood Drive and Evers Boulevard between the two four inch water lines serving Laredo Court and Earl Court.

cc: Jon L. Anderson
AVI
7300 Yellowstone Road
Cheyenne, WY 82009

3-2-82

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 82-64
SEE SPECIAL CONDITION

Magnum Construction Company
(Name of Facility)

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

Magnum Construction Company

540 Windriver

Casper, WY 82601

to construct, install, or modify a subsurface wastewater disposal facility according to the procedures and conditions of the application No. 82-64. The facility is located in Section 20, 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.

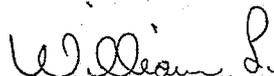
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

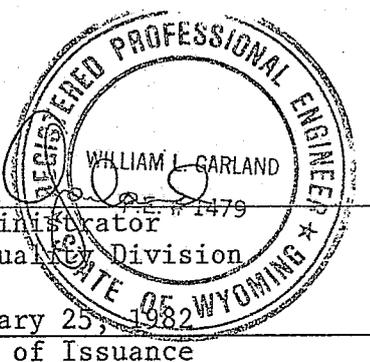
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 30, Sheridan, Wyoming 82801; telephone, 672-6457.

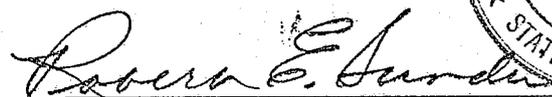
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

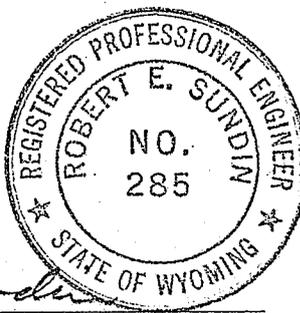
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator #1479
Water Quality Division

February 25, 1982
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: Detmer R. Knapp
Knapp & Associates
P.O. Box 9859
Casper, WY 82601

Condition to Permit to Construct

The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The Casper Urban Water Quality Management Plan requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the Casper Urban Water Quality Management Plan and the Final 201 Facility Plan.

STATE OF WYOMING



Tom C.
82-65RR

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 20, 1982

Mr. Randy Fultz
Howard, Needles, Tammen, and Bergendoff
200 North Wolcott Street
Casper, WY 82601

RE: Town of Moorcroft
C560124-94

Dear Mr. Fultz:

As agreed in our phone conversation, I am returning five sets of plans and specifications along with a copy of comments from the Corps of Engineers. The response to these comments should be incorporated into the plans.

If you have any questions, please contact me in this office.

Sincerely,

Tom Conrardy
Tom Conrardy
Engineering Evaluator

TC/sk

Enclosures

cc: Rich Ruyle, DEQ - Sheridan (w/COE comments)
Grant File

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-65RRR
EPA C560124-94

Town of Moorcroft Wastewater System
(Name of Facility)

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

Town of Moorcroft

P.O. Box 96

Moorcroft, WY 82721

to construct, install, or modify a wastewater collection and treatment system facility according to the procedures and conditions of the application No. 82-65RRR. The facility is located in Sections 31, 36 and 6, T49, 50N, R68, 67W in the County of Crook, 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: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

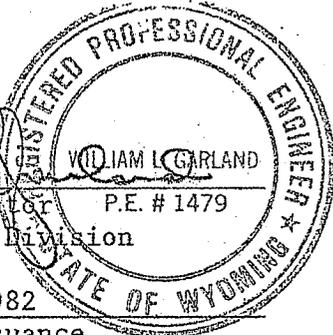
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

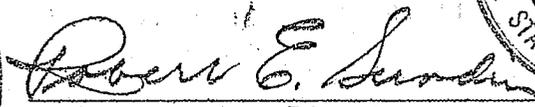
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
MAY 5, 1982
Date of Issuance





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



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

cc: John E. Donmyer, HNTB.
P.O. Box 3478
Casper, WY 82602

Review of Plans and Specifications

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

PROJECT: Town of Moorcroft, WY, Crook Co.

ARCHITECT OR ENGINEER: Howard Needles Tammen & Bergendoff
200 North Wolcott, Casper, WY 82601

APPLICANT: Town of Moorcroft
P.O. Box 96, Moorcroft, WY 82721

WATER QUALITY DIVISION REFERENCE NUMBER: 82-65, EPA C560124-94

REVIEWING ENGINEER: ^{T.C.} Tom Conrardy, ^{WBE} Bill Ewen, Rich Ruyle

DATE OF REVIEW: March 18, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Complete design calculations for the lagoons and aeration system have not been provided.
 - a. The detention time is probably adequate but the method of design should be described. Has actual experimental data been developed? Is 200 mg/l the measured average BOD of the influent or is it assumed? 6¹⁰

"Ten States" equation on page 100-3 requires a detention time of 41 days at 1°. 29 days have been provided.
 - b. Air requirements for the diffused air system should be calculated using any number of equations as described in "Ten States" on page 80-8.
 - c. We have had no prior experience with the Ramco MAT Aeration System. Manufacturer's design and performance information would be useful.
2. It is important that the chlorine cylinder room have forced ventilation providing one complete air change per minute when it is occupied. The air exhaust should be near the floor and the air inlet located as to provide cross ventilation. The room should also be heated to at least 60°F.
3. What auxiliary power supply will be provided?
4. Rip rap should be provided from one foot above the high water mark to two feet below the low water mark.
5. A specification should be provided for the DIP used in the outlet structure and the inverted siphon.
6. Section A-a of Manhole 5 (Sheet 9 of the plans) shows the 8-inch siphon line as having a 6-inch gate opening.

Steps should be provided in manholes with flow control gates (Manholes 1, 5, 4, L2 and L5). Alternately, a means to operate the gates without entering the manhole may be provided.

8. The design of the flow control gates in manhole L2 on the 15-inch lines and in manhole L5 on the 15-inch line coming from manhole L2 is difficult to discern with the limited detail provided. If there are wooden stop gates in open channels, there may be a problem with wastewater overflowing and short-circuiting cell 2.
9. There appears to be a conflict between the location of the slide gate in manhole L2 on the 15-inch line between manholes L2 and L5 and the sluice gate in manhole L2. There is a similar problem in manhole L5.
10. Have any provisions been made for operating these gates while submerged?
11. Design calculations for the inverted siphon, including the inlet and outlet manholes, should also be provided to ensure velocities of at least 3 fps in the pipes for average flow. (See Metcalf & Eddy, First Edition, page 158.)
12. Prefilling of the lagoons should be addressed in the specifications.
13. Has a 404 permit for the stream crossing been obtained?
14. Why are rim elevations for the manholes not provided?
15. Why was a section of the old sewer retained?
16. Will the abandoned sewer be plugged or removed?
17. The operating water level and volume of each cell should be shown on the plans.
18. The overflow pipe invert elevation of manhole L6 is 4160.00 on page 10 and 4158 on the plan view detail on page 12.
19. Page 8-2 of the specifications describes the proposed aeration system as having non-clog 8/12 Mat aerators in the first 5 rows. In the plans, they are in rows 1-5 in the detail drawings and in rows 1-4 on the plan view. These should be consistent.
20. Will there be a potable water supply at the lagoons?
21. The signature of a professional engineer licensed in Wyoming is needed on the final plans.
22. What auxiliary power will be available?
23. The existing invert elevations in manholes A-G, A-9 and A-12 should be shown on the profile drawings.

4-28-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-66R

Imco Building Wastewater Holding Tank
(Name of Facility)

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

Lincoln Development Co.
PO Box 1085
Rock Springs, WY 82901

to construct, install, or modify a _____
wastewater holding tank

_____ facility according to the procedures and conditions of the
application No. 82-66R. The facility is located in _____
Sec. 19, T16N, R120W

_____ 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

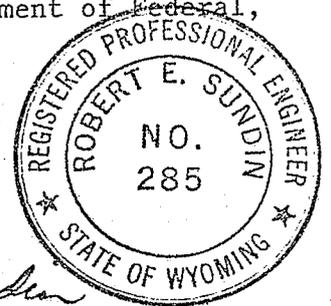
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

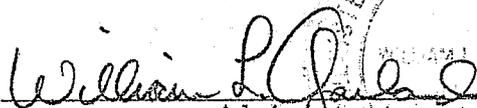
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

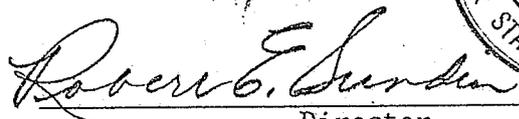
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:




Administrator
Water Quality Division


Director
Dept. of Environmental Quality

April 13, 1982

Date of Issuance

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

AJB:ch



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

September 15, 1982

Johnson-Fermelia & Crank, Inc.
PO Box 1633
Rock Springs, WY 82901

RE: Change Orders ~~for~~ Permit No's. 81-785R, 82-67R, and 82-408

Gentlemen:

The elevation changes referred to in your letters to us have been incorporated into the referenced permits as Change Order No. F. A formal Permit to Construct will not be needed for this change. This letter should be kept on file as a record of authorization for the change.

In regard to the realignment of the sewerline to the east side of the irrigation ditch, this change order will be sufficient provided that the ground profile is similar, the sewerline grade is the same, and new piping or manholes are not required. In any case, as-built plans of this portion of the project should be submitted upon completion of the project.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Area III Supervisor

AJB:ch

cc: Cheyenne DEQ/WQD
Lincoln Development
File (4)

JOHNSON-FERMELIA AND CRANK, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

September 9, 1982

Wyoming Department of
Environmental Quality
Water Quality Division
210 Lincoln
Lander, Wyoming 82520



Attention: Mr. Al Berreth

Re: Airport Business and Industrial Center - North
Sewage Collection System - Change Order
JFC Job No. 974-0182
Wyoming D.E.Q. Permit No. 81-785R and 82-67R

81-785R
change order
82-67R
change order

Dear Al:

This letter is in regards to our previous telephone conversation concerning the change order to revise the elevations of the sewer mains on the above mentioned project.

Briefly, we are continuing the raise in grade of the Collection System from the South Area of the subdivision, through the North Area, to Man Hole No. 5. From MH-5 northerly, the previously permitted profiles will be maintained. We have also made an alignment change; routing the sewer main on the east side of the irrigation ditch, thus eliminating the crossing of the irrigation ditch.

I have enclosed a schedule showing the revised invert elevations, slopes and depth of bury for your use. If any questions should arise, please feel free to call.

Sincerely,

Kenneth L. Wilbert

KLW:bw

Enc.

cc: L. Fusselman

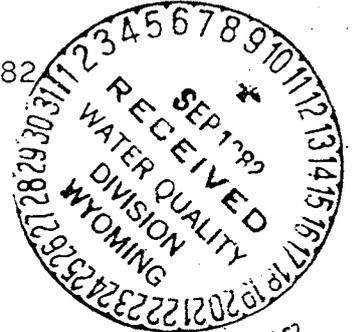
REVISED SEWER MAIN INVERT ELEV. (NORTH AREA)

LOCATION	EXIST. I.E.	REV. I.E.	SLOPE	RIM ELEV.	DEPTH OF COVER*	REMARKS
MH 7	6580.28	6592.05	0.9%	6600 ≈	8.0 ≈	SEE NORTH AREA FOR CON.
MH 7 TO MH 6		6587.78		6600 ≈	10.0 ≈	MOVED MH 6 ELIMINATE DITCH CROSS
MH 6 TO MH 5	6577.7	6587.5	0.9%	6595 ≈	7.0 ≈	
MH 5 TO MH 4	6575.69	6584.5	0.78%	6590.06	6.0	
MH 4 TO MH 3	6573.86	6573.86	3.0%	6588.09	14.0	
MH 3 NORTHL	RESUME PREVIOUSLY		PERMITTED PROFILES			
C.O. ADM. NIMRO DRIVE	6616.84	6622.17	8.0%	6629.8	7.0	
C.O. TO MH 10	6609.06	6614.17		6621.06	7.0	
MH 10 TO MH 5	6577.7	6587.5	7.6%	6592.98	5.5	
MH 9 W. PAUL JONES DRIVE	6617.42	6624.03	8.6%	6630.03	6.0	
MH 9 TO MH 8	6592.76	6592.76		6604.76	11.0	

* TO BOTTOM OF PIPE

JOHNSON-FERMELIA AND CRANK, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS.

September 9, 1982



Wyoming Department of
Environmental Quality
Water Quality Division
210 Lincoln
Lander, Wyoming 82520

Attention: Mr. Al Berreth

Re: Airport Business and Industrial Center - South
Amended Sanitary Sewer Collection System
JFC Job No. 974-0182
Wyoming D.E.C. Permit No. 82-408

82-408
(change order)

Dear Al:

This letter is in regards to our previous telephone conversation concerning the change order to revise the elevations of the sewer mains on the above mentioned project.

Briefly, we raised the sewer main from MH-12 to the south end of the collection system. The sewer main from MH-12 northerly to MH-9 remains the same and is unaffected by the changes. Due to the changes in grades of the sewer main in the North Area of the development (refer to separate enclosure for details), it was required that the line from MH-9 to MH-7 be changed also.

I have enclosed a schedule showing the revised invert elevations, slopes and depth of bury for your use. If any questions should arise, please feel free to call.

Sincerely,

Kenneth L. Wilbert

KLW:bw

Enc.

cc: L. Fusselman

REVISED SEWER MAIN INVERT ELEV.

(South Area)

974-282 9

LOCATION	EXISTING I.E.	REVISED I.E.	SLOPE	RIM ELEV.	DEPTH OF COVER (BOTTOM OF PIPE)
C022+23	6617.5	6628.13		6634.13	6'
C022+23 TL			13.6%		
MH14	6603.0	6607.75		6626.75	19.0'
MH14 TO MH13			1.3%		
	6602.1	6605.1		6620.21	15.1'
MH13 TO MH12			1.2%		
	6600.5	6600.5		6615.54	15.0'
MH12 TO MH9	RESUME PREVIOUSLY PERMITTED PROFILES				
MH9 TO MH8			0.9%		
	6584.49	6592.65		6610.5	7.0'
MH8 TO MH7			0.9%		
	6580.28	6592.05		6600.02	8.02'

4-28-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-67R

Motel-Warehouse Wastewater Holding Tank
(Name of Facility)

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

Lincoln Development Co.
PO Box 1085
Rock Springs, WY 82901

to construct, install, or modify a _____

Wastewater holding tank

_____ facility according to the procedures and conditions of the

application No. 82-67R. The facility is located in _____

Sec. 19, T16N, R120W

_____ 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

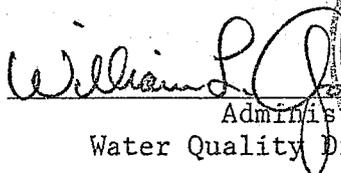
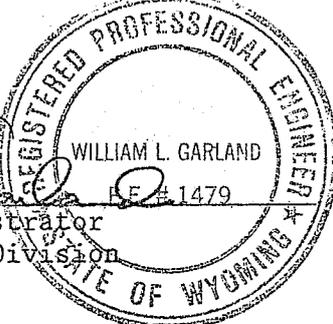
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

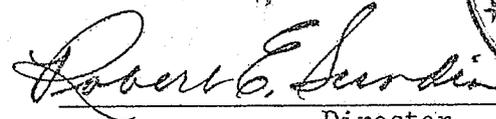
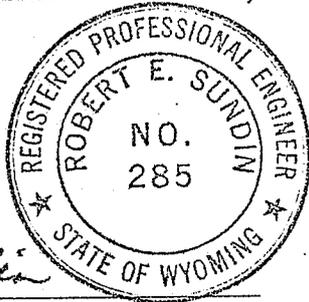
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
E. #1479
Administrator
Water Quality Division



Director
Dept. of Environmental Quality


April 13, 1982
Date of Issuance

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

AJB:ch

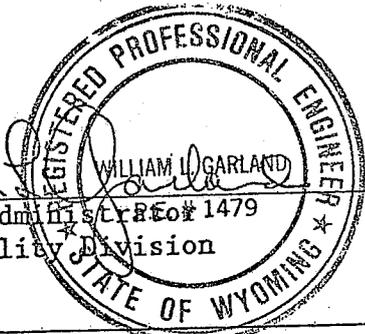
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

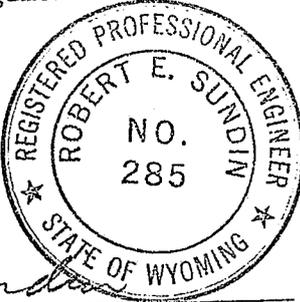
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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


William U. Garland
WILLIAM U. GARLAND
Administrative # 1479
Water Quality Division
March 17, 1983
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.

AJB:dcn

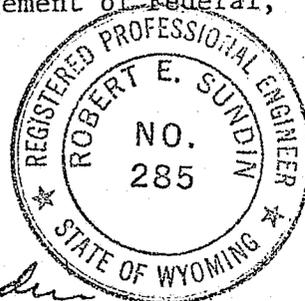
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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 this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone 332-3144.

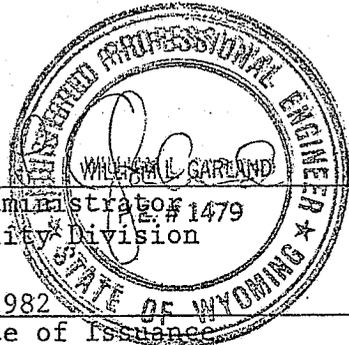
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:



W. J. Allen
Administrator # 1479
Water Quality Division
February 25, 1982
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.

FL:ch

4-8-80

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 82-70

Surface Water Collection System
(Name of Facility)

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

Stauffer Chemical Co. of WY

PO Box 513

Green River, WY 82935

to construct, install, or modify a _____

Stormwater Collection lines for plant area

_____ facility according to the procedures and conditions of the

application No. 82-70. The facility is located in _____

Sec. 15, T20N, R109W

_____ 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

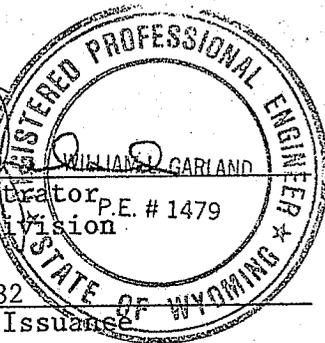
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

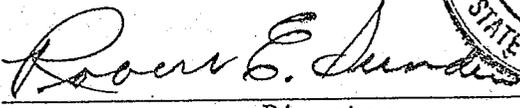
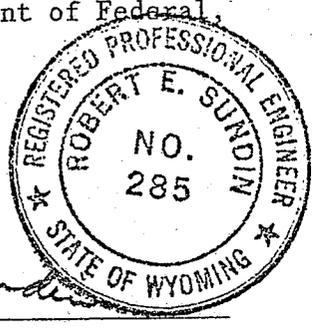
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
Administrator P.E. # 1479
Water Quality Division
March 22, 1982
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.

AJB:ch

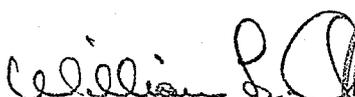
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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 this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone 332-3144.

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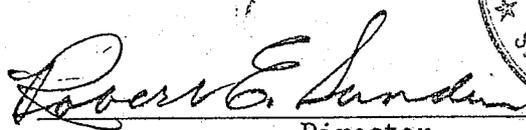
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


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

March 19, 1982

Date of Issuance


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

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

AJB:ch

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-72

Great Land Directional Drilling
(Name of Facility)

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

Steve Ratcliff

Great Land Directional Drilling

1989 East A Street

Casper, WY 82601

to construct, install, or modify a subsurface wastewater disposal facilities according to the procedures and conditions of the application No. 82-72. The facility is located in Section 14, T34N, R81W 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.

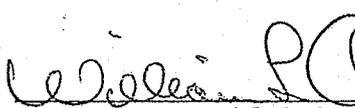
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

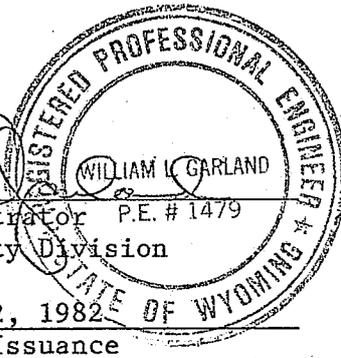
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

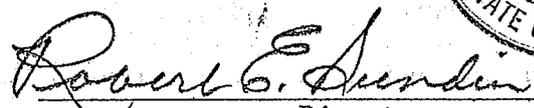
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

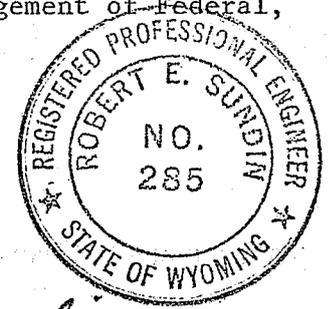
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM I. GARLAND
Administrator P.E. # 1479
Water Quality Division
March 12, 1982
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: Gray C. Wangelin
E.I.T.S.
P.O. Box 4075
Casper, WY 82604

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-73R
SEE SPECIAL CONDITION

Baker ServiceTool
(Name of Facility)

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

Don Sable, II

P.O. Box 1778

Mills, WY 82644

to construct, install, or modify a commercial subsurface wastewater disposal facility according to the procedures and conditions of the application No. 82-73R. The facility is located in Lot 53, Westgate III, Section 34, T34N, R80W 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.

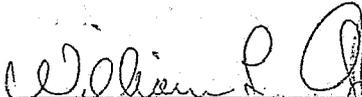
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

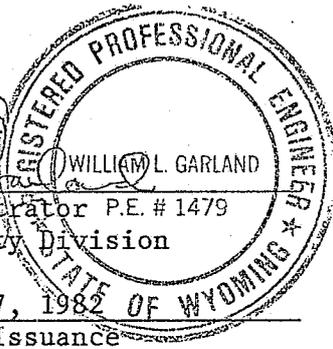
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 30, Sheridan, Wyoming 82801; telephone, 672-6457.

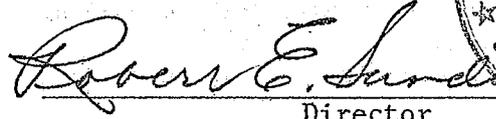
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

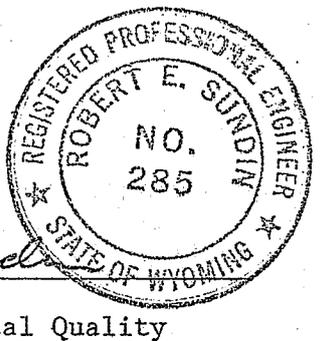
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
March 17, 1982
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: Robert L. Kumpe, P.E.
Kumpe & Associates
138 S. Kimball, Suite 200
Casper, WY 82601

Conditions to Permit to Construct

The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The Casper Urban Water Quality Management Plan requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the Casper Urban Water Quality Management Plan and the Final 201 Facility Plan.

Review of Plans and Specifications

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

PROJECT: Baker Service Tool, Natrona Co.

ARCHITECT OR ENGINEER: Robert Kumpe, Kumpe & Assoc.
138 S. Kumball, Suite 200, Casper, WY 82601

APPLICANT: Don Sable, II, Sable & Sable Construction
P.O. Box 1778, Mills, WY 82644

WATER QUALITY DIVISION REFERENCE NUMBER: 82-73

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

DATE OF REVIEW: March 3, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Three sets of plans must be submitted.
2. Clean outs are required at changes in direction in the sewer line.
3. The septic tank does not meet minimum requirements. A minimum opening of twenty inches is required over inlets and outlets of each compartment. When an "L" is used as the inlet baffle, a one-inch vent hole is required at the top.
4. Because the area is noted for its high groundwater conditions, how was this depth to groundwater determined?

TSN/nc

3-25-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-74
SEE SPECIAL CONDITION

Glenrock Sewer Interceptor Phase II
(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 interceptor sewer and raw sewage pump station facility according to the procedures and conditions of the application No. 82-74. 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.

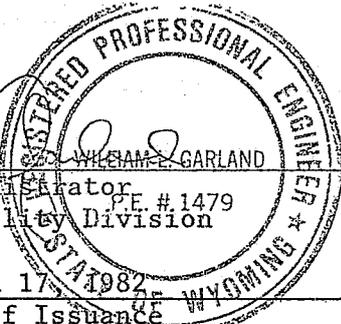
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

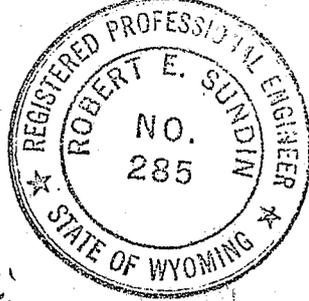
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 P. Garland
Administrator
Water Quality Division
P.E. # 1479
March 17, 1982
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 high water alarm shall be arranged to turn on with the lag pump.

cc: Albert J. Nelson
Nelson Engineering
P.O. Box 1599
Jackson, WY 83001

Mike Hackett, DEQ/WQD, Cheyenne

3-8-82

PERMIT TO CONSTRUCT

New

Permit No. 82-75

Renewal

Modified

Godfather's Pizza Restaurant, Cheyenne
(Name of Facility)

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

City of Cheyenne

City Engineer

2101 O'Neil Ave.

Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater collection and water distribution system facility according to the procedures and conditions of the application No. 82-75. The facility is located in NW 1/4, Section 19, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (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.

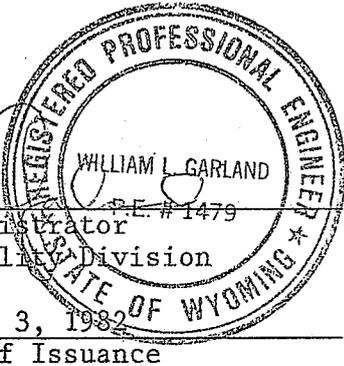
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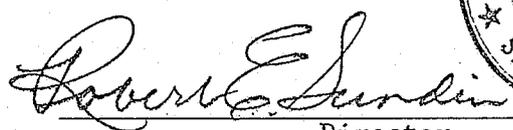
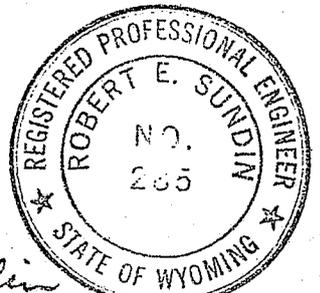
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:



WILLIAM L. GARLAND
P.E. #1479
Administrator
Water Quality Division
March 3, 1982
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: Joseph E. Kub
BRW, Inc.
1912 Capitol Ave., Suite 300
Cheyenne, WY 82001

3-11-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-76
Conditions of Permit
on reverse side

Husky Truck Stop
(Name of Facility)

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

Husky Oil

P.O. Box 175

Salt Lake City, UT 84054

to construct, install, or modify a lift station facility according to the procedures and conditions of the application No. 82-76. The facility is located in Section 7, T18N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

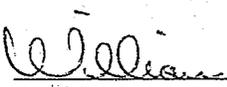
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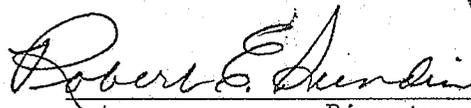
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AUTHORIZED BY:

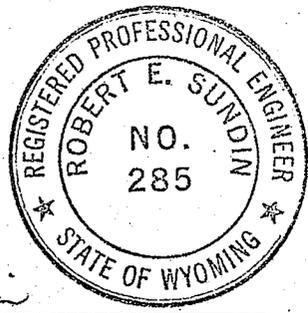


WILLIAM J. BARLAND
Administrator #1479
Water Quality Division

March 25, 1982
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.

FL/nc

CONDITION

This permit is issued with the condition that the on-site facilities, authorized by this permit, are to be abandoned when a public sewage collection line serving the Rock Springs Area Regional Wastewater Treatment Plant becomes available. Connection to the public sewage collection line must be made at that time.



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 3, 1982

City of Lander
183 S. 4th St.
Lander, WY 82520

RE: DEQ/WQD Ref. No. 82-77

Gentlemen:

We have completed our review of the Standards and Specifications for Water and Sewer for the City of Lander and find that they meet minimum State standards for water and sewer line construction. Any further additions or deletions to these construction standard specifications will require review by this Division to ensure continued compliance with State standards.

Future applications for sewer and water line extensions for the City of Lander need only refer to the above specifications on the plan sheet.

Sincerely,

A handwritten signature in cursive script that reads "M. Robin Collins".

M. Robin Collins, P.E.
Northwest District Engineer

MRC:ch

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.

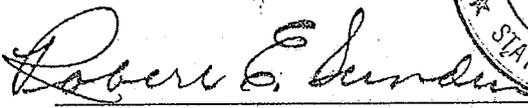
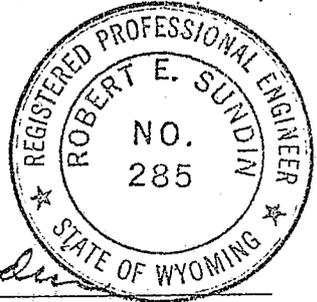
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
April 7, 1982
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.

AJB:ch

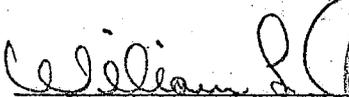
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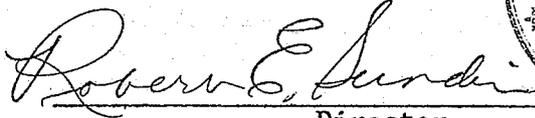
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AUTHORIZED BY:



REGISTERED PROFESSIONAL ENGINEER
WILLIAM S. GARLAND
ADMINISTRATOR P.E. # 1479
Water Quality Division
STATE OF WYOMING
March 25, 1982

Date of Issuance



REGISTERED PROFESSIONAL ENGINEER
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.

xc: Converse County Courthouse
107 N. 5th
Douglas, WY 82633

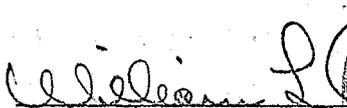
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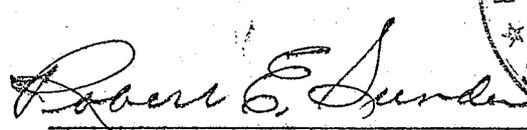
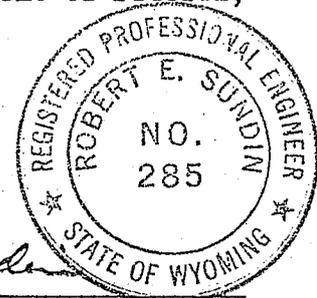
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AUTHORIZED BY:



Administrator P.E. # 1479
Water Quality Division
March 25, 1982
Date of Issuance



Director
Dept. of Environmental Quality

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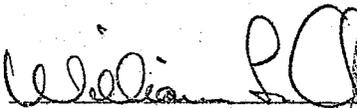
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
STATE OF WYOMING
April 23, 1982
Date of Issuance


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

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

CONDITION

A condition of this permit is that documentation of the well's yield, drawdown, and water quality will be supplied to this office when the well(s) is developed. The capacity of the well(s) must be at least 16 gpm.

xc: R. G. Stucker & Associates
55 Western Ave.
Buffalo, WY 82834

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Hilltop Commercial Park
Water Distribution System

ARCHITECT OR ENGINEER: R. G. Stuckert & Associates, Inc.
55 Western Avenue
Buffalo, Wyoming 82834

WATER QUALITY DIVISION
REFERENCE NUMBER: 82-81

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: March 30, 1982

ACTION: Not Authorized

COMMENTS:

- 1) The basis of design for the water system has not been included. Answering the following questions would be helpful.
 - a. What type of establishments will the water system serve?
 - b. What is the anticipated water demand?
 - c. Will 7 gpm meet the maximum daily demand?
 - d. How was the water storage tank volume determined? (If fire protection is to be provided, that must be taken into account.)
- 2) The ASTM specification A 615 given for the tank skin (page 15050-2) is not appropriate for water tanks. I believe it is a rebar specification. Please clarify.
- 3) The capability to drain the storage tank should be provided for in case maintenance or cleaning is necessary. Please address.
- 4) The Neenah access manhole to the storage tank should preferably be framed above the surface of the roof with an overlapping cover that has a locking device. Is this the case?
- 5) I suggest the use of air relief valves at the high points in the distribution system.

Review of Plans and Specifications

Hilltop Commercial Park, 82-81

March 30, 1982

Page Two

- 6) The profile drawing of the well on sheet 10 should show a check valve in the well casing and a casing vent.
- 7) The discharge piping of the well should preferably have a pressure gauge, means of flow measuring, and a sampling tap.
- 8) A floor drain should be provided in the pump house.
- 9) A complete analysis of the well water should be sent to this office after the well is developed.
- 10) You should contact EPA in Denver to be on their water supply monitoring program.

Feel free to call me with questions.

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 82-81

Date submitted for review 11 March 1982

Name and location of facility Hilltop Commercial Park Subdivision
Sec 23/26 T51 R82
Johnson County

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 Richard Lawrence

Title Eng Eval

Date March 17 1982

agm
3/17/82

- 1) The low yield projected for the proposed well (7gpm) with only 2 days of water storage might make the well less than adequate for a public water supply.
- 2) The water quality samples which were analyzed are reported to be representative of nearby groundwater supplies. It should be noted that although these two wells are being used as potable water, they both have constituents which exceed the State Domestic Class I standards i.e., TDS of 1060 ppm and 800 ppm versus the recommended limit of 500 ppm and a sulfate of 275 mg/l versus the recommended 250 mg/l maximum level.

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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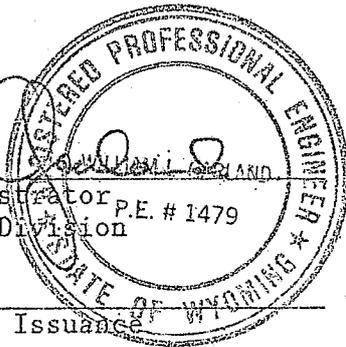
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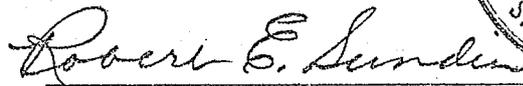
AUTHORIZED BY:



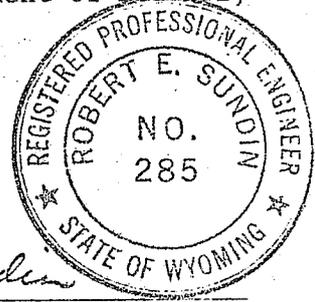
Administrator P.E. # 1479
Water Quality Division
June 22, 1982

Date of Issuance





Director
Dept. of Environmental Quality



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

AJB:ch

82-82



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 29, 1982

Dave Violette
Sweetwater Engineering
175 Riverview Dr., Suite D
Green River, WY 82935

RE: Gaensslen Subdivision Water System

Dear Mr. Violette

Thank you for the preliminary drawings of the above referenced subdivision. We support your efforts to provide the area which is to be subdivided with a common water system.

As we discussed on the phone, the well is the biggest question in the plan. Depending on quality and quantity, substantial revision may be required. Also, I neglected to mention that we may require two sources of water, depending on the size of the subdivision.

Please contact me if you have questions.

Respectfully,

Albert J. Berreth
Area III Supervisor

AJB:ch

cc: Cheyenne DEQ/WQD
Dennis Watt
File (2)

AIC

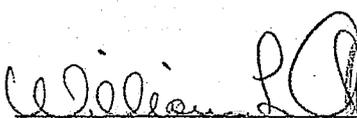
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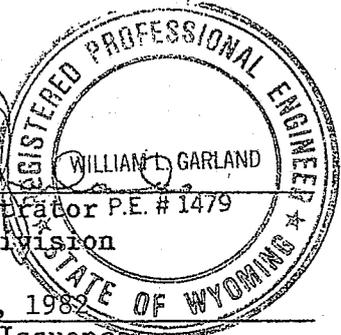
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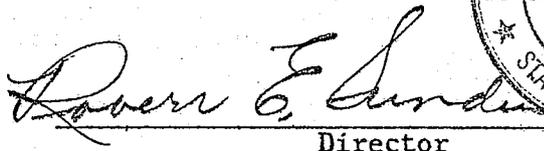
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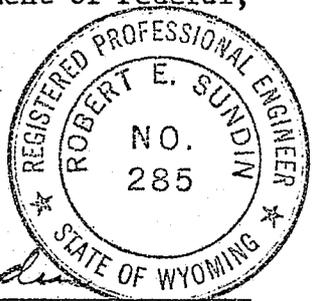
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administ~~r~~ator P.E. # 1479
Water Quality Division
March 22, 1983
Date of Issuance




Director
Dept. of Environmental Quality



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

xc: Campbell County Engineer's Office

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.

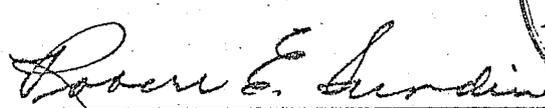
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AUTHORIZED BY:


WILLIAM L. CARR
Administrator
Water Quality Division
STATE OF WYOMING
REGISTERED PROFESSIONAL ENGINEER
June 2, 1982
Date of Issuance


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

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

CONDITION

No fluid or waste, except wastewater generated as a result of crude oil production operations, and having a Total Dissolved Solids concentration less than 15,000 milligrams per liter, shall be introduced into the lagoon.

xc: Hoskins-Western-Sonderegger
P.O. Box 2020
Gillette, WY 82716

Converse County Courthouse
107 N. 5th
Douglas, WY 82633

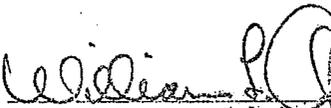
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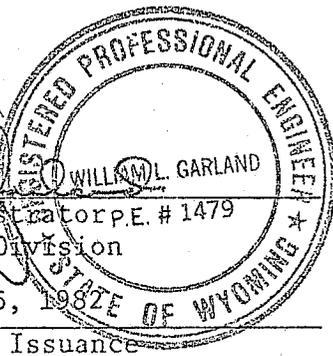
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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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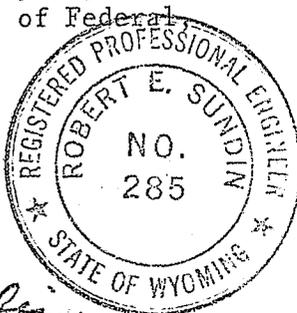
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
June 15, 1987
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.

xc: Hoskins-Western-Sonderegger
P.O. Box 2020
Gillette, WY 82716

Converse County Courthouse
107 N. 5th
Douglas, WY 82633

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801



Powell Field Production Water Disposal Lagoon

ARCHITECT OR ENGINEER: Attention: Randy Pellatz
Hoskins-Western-Sonderegger, Inc.
P.O. Box 2020
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 82-84

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: March 26, 1982

ACTION: Not Authorized for Construction

COMMENTS:

The plans and specifications are well prepared and need not be revised at this time. Before a permit can be issued, however, additional evidence that the proposed facility will not pollute existing groundwater resources must be submitted.

Particularly in question is the use of a seepage rate of one-eighth inch (1/8") per day as the design basis for the lining of the lagoons. This value has in the past been accepted by the Division as a matter of course, but such a course appears unwise in this case for the following reason.

The application and supporting materials indicate a substantial number of flowing wells within a few miles of, and downhill from, the proposed lagoons. From the limited geologic and hydrologic information presented, it is impossible to determine: 1) whether the lagoons will be within the recharge zone(s) for any of these wells; 2) the quality, quantity, use and groundwater classification of the water flowing or pumped from these wells; and 3) in the event the lagoons will be in the recharge zone, whether the entry into the aquifer(s) of approximately 2.8 acre feet of water per year, with a concentration of about 20,000 milligrams per liter of Dissolved Solids, will significantly alter the quality of water flowing or being pumped from the wells.

The above questions must be answered favorably before a permit can be issued.

7-3



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 26, 1985

Mr. Clark Anderson
Star Route, Box 55
Lyman, WY 82937

RE: Permit to Construct #82-85R

Dear Mr. Anderson:

A review of the above permit subsequent to my June 12, 1985 visit indicates inclusion of the land application portion of the system as defined by the enclosed conditions. Since the permit is past due for renewal, the conditions will be modified accordingly:

Condition #1: Pond effluent must meet fecal coliform limits of 200/100 ml with one sample analysis to be submitted during each period of discharge.

Condition #2: Deleted if #1 is met.

Condition #3: Deleted.

Condition #4: Becomes condition #2 - an annual analysis of groundwater for nitrate (NO₃) content shall be submitted at the conclusion of the irrigation season.

I appreciate your cooperation.

Sincerely,

E. J. Fanning
Water Quality Soil Specialist

EJF/nc

cc: Jeff Hermansky, DEQ/WQD, Lander

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 82-85R
SEE CONDITIONS ON BACK OF PERMIT

Lyman KOA
(Name of Facility)

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

Clark Anderson
Star Route, Box 55
Lyman, WY 82937

to construct, install, or modify a sewage collection system, water distribution system, sewage lagoon and land application system per conditions according to the procedures and conditions of the application No. 82-85R. The facility is located in Section 19, T16N, R114W 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.

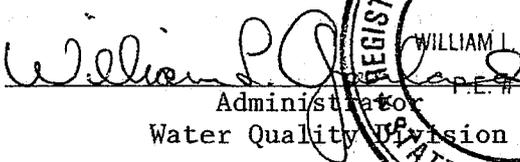
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

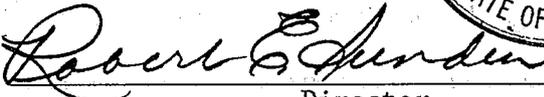
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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
P.E. # 1479
Administrator
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING


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

June 26, 1985
Date of Issuance

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

Conditions to Permit to Construct #82-85R

1. Pond effluent must meet fecal coliform limits of 200/100 ml. Test results must be submitted during each period of discharge.
2. An annual analysis of groundwater for nitrate (NO₃) content shall be submitted at the conclusion of the irrigation season.

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.

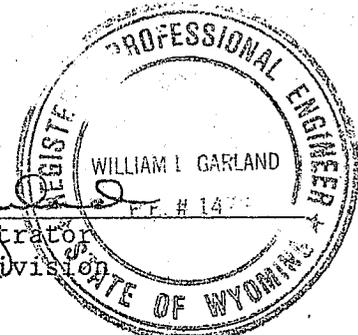
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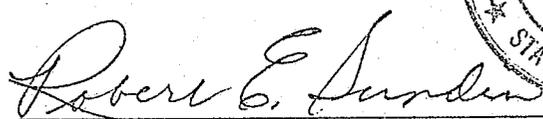
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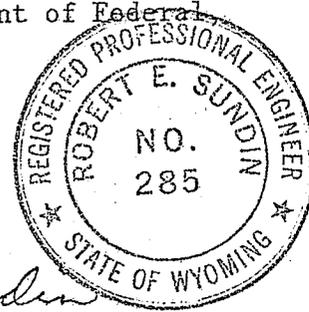
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AUTHORIZED BY:


Administrator
Water Quality Division




Director
Dept. of Environmental Quality



April 28, 1982

Date of Issuance

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

****CONDITIONS OF PERMIT****

1. Pond effluent must meet fecal coliform limits of 200/100 ml. Test results must be submitted monthly.
2. Spraying must be accomplished during nighttime hours throughout the summer season (May 1 - September 30).
3. Adverse changes in the site vegetation and/or accumulation of surface salt deposits must be reported to DEQ/WQD. A change in the mode of operation or an increased land requirement may then be required.
4. A groundwater monitoring well or lysimeter collection system is required to monitor nitrate movement. Analyses of percolate water should be submitted at end of each summer application season. The well location must be approved by DEQ/WQD prior to installation.

AJB:ch

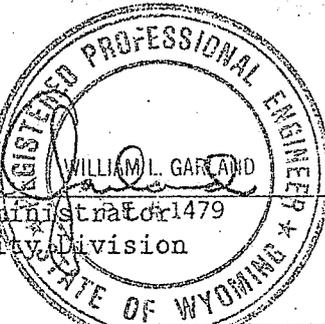
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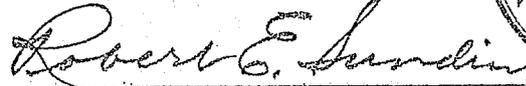
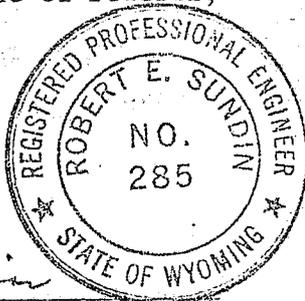
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AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator 1479
Water Quality Division
STATE OF WYOMING



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

June 22, 1982
Date of Issuance

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

AJB:ch

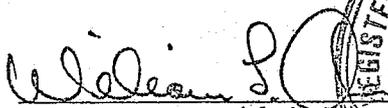
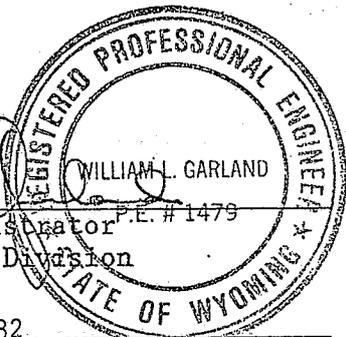
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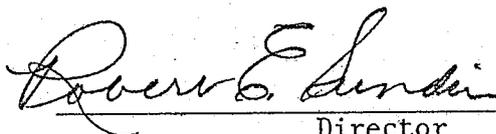
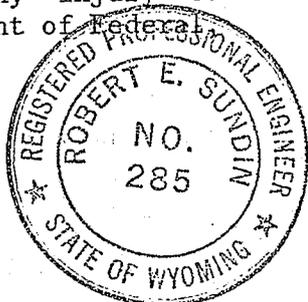
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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AUTHORIZED BY:


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



Director
Dept. of Environmental Quality


March 19, 1982
Date of Issuance

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

AJB:ch

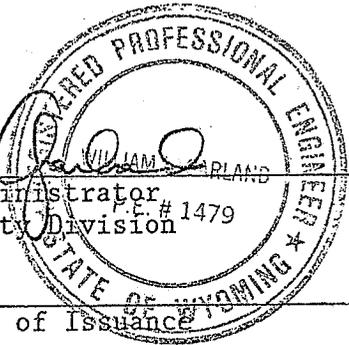
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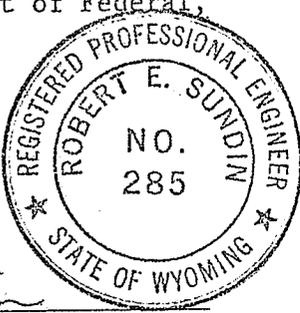
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AUTHORIZED BY:

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. Underneath the name, the text "Administrator" and "Water Quality Division" is printed, followed by "P.E. # 1479".
William L. Garland
Administrator
Water Quality Division
P.E. # 1479
April 13, 1982
Date of Issuance

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. SUNDIN" in the center. Below the seal, the name "Robert E. Sundin" is written in cursive. Underneath the name, the text "Director" and "Dept. of Environmental Quality" is printed.
Robert E. Sundin
Director
Dept. of Environmental Quality

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

AJB:ch

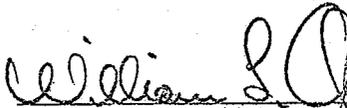
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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 this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone 332-3144.

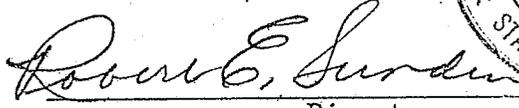
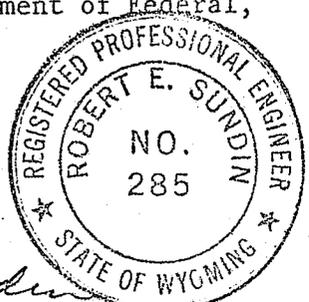
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AUTHORIZED BY:


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

April 7, 1982
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.

AJB:ch

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 this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

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

March 9, 1982
Date of Issuance

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

CONDITION

Proper evaluation and action must be taken to ensure vertical separation at all water/sewer line crossings.

AJB:ch

5-6-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-91R

****CONDITIONS OF PERMIT****

Frannie Facility's Land Application System
(Name of Facility)

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

Crude Processing, Inc.

c/o Lynn Fross

PO Box 614

Powell, WY 82435

to construct, install, or modify a _____

Land farm disposal system

_____ facility according to the procedures and conditions of the

application No. 82-91R. The facility is located in _____

Sec. 1, T57N, R98W

_____ 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

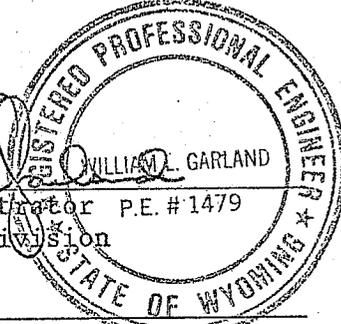
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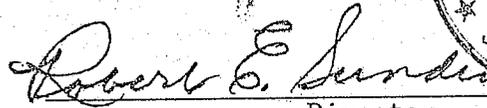
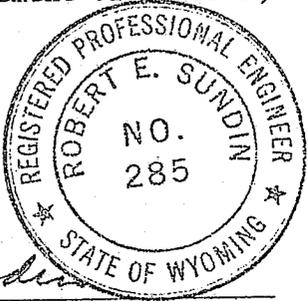
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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AUTHORIZED BY:


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

April 22, 1982
Date of Issuance


Director
Dept. of Environmental Quality


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

****CONDITIONS OF PERMIT****

1. That ripping of the soil profile to a depth of approximately 2.5 feet be performed on the contour.
2. That the appropriate runoff control facilities are constructed before waste application proceeds. These include the holding dike at the downgradient location and a diversion ditch of sufficient design to route the runoff from a 10 year, 24 hour storm around the site.
3. That the continued operation of the site as a land treatment site be based on the annual submission of the requested soil analyses and documentation of vegetative response.

Og

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: CRUDE PROCESSING, INC.-FRANNIE FACILITY'S LAND APPLICATION

ENGINEER: Arden D. Haeffner & Donald P. Fisher
PO Box 385
Powell, WY 82435

OWNER: Crude Processing, Inc.
c/o Lynn Fross
PO Box 614
Powell, WY 82435

WATER QUALITY DIVISION REFERENCE NUMBER: 82-91

M.L.C.

REVIEWING ENGINEER: E. J. Fanning, Bill Ewen, & Robin Collins

DATE OF REVIEW: April 2, 1982

ACTION: Not authorized.

COMMENTS: After reviewing the aforementioned project, we would like to offer the following listed discussions for your information and reply (if needed):

A

Comments on Land Application of Crude
Processing, Inc. Waste Oil Sludge
from the Frannie, Wyoming Facility

1. Sludge Generation Rate

Application of crude oil waste sludge to a 74.9 acre tract of land at a rate of 4,500 gals./week is stated in the permit application.

The assumed annual generation of sludge is:

$$4,500 \text{ gals/acre/week} \times 52 \times 75 \text{ acres} = 17.55 \times 10^6 \text{ gals/year}$$

2. Plant-Soil Assimilative Capacity

From the sieve analysis performed on a soil sample collected 50' from an evaporative pond, a surface texture of clay loam (40% mostly fine sand, 30-40% clay, and 20-30% silt) is assumed.

The literature suggests an application of crude oil and its process by-products initially at 1% of soil weight (based on bulk density). Application should commence after soil temperature at the 6 inch level reaches or exceeds 50° F. The above rate also assumes no previous oil additions to the site.

Assuming a bulk density of 1.5 g/cm³, the soil should weigh approximately:

$$\begin{aligned} & 47 \text{ lbs./ft.}^3 \times \frac{2}{2} \text{ or } 2,047,320 \text{ lbs./acre 6 inches} \\ & 17.55 \times 10^6 \text{ gals./yr.} \times 0.1337 \text{ ft.}^3 \times 62.4 \text{ lbs./ft.}^3 \times 1.2 \text{ sp. gravity} \\ & = \frac{1.76 \times 10^8 \text{ lbs./yr.}}{20,473 \text{ lbs./ac. (1\% of soil wt.)}} = \frac{8,596 \text{ ac./yr.}}{19 \text{ weeks in growing season}} = 452 \text{ acres} \\ & \hspace{15em} (\sim 130 \text{ days}) \end{aligned}$$

452 acres of land are required at a 1% of soil wt. application rate.

$\frac{452 \text{ acres}}{75 \text{ acres}} =$ Approx. 6 X that rate is needed to accommodate the annual sludge generation on the 75 acre tract, or, 6% of the soil weight, 122,838 lbs. of 4% solids sludge must be applied during the 19 week growing season when soil temperatures should be warm enough to stimulate the necessary microbial activity to degrade that percentage of the sludge that does not volatilize. Initial applications of 1% of soil weight and storage of the remainder is recommended until vegetative response can be evaluated, if the overall project is permitted.

The permit application estimates the soil permeability as generally low, ranging from 0.01 ft./day to about 1 ft./day. Conversation with the SCS District Office in Powell revealed the following permeabilities:

Deaver Series - .2-.6 in./hr. for surface
 .06-.6 in./hr. to 24 inch level with shale at 20-40 inches

Chipeta Series - .06-2 in./hr. surface and subsurface with shale at 17 inches or deeper

Stutzman Series - .06-.2 in./hr. with shale at 60 inches or deeper

Textures mentioned for the above series range from silty clay loams to silty clays.

The 1% soil weight application rate requires 20,473 lbs./ac. of 4% solids sludge to be applied.

$$\frac{20,473 \text{ lb./ac.}}{62.4 \text{ lbs./ft.}^3} = \frac{328 \text{ ft.}^3/\text{ac.}}{7.48 \text{ gals./ft.}^3} = 43.86 \text{ gals./ac.}$$

$$\frac{43.86 \text{ gals./ac.}}{43,560 \text{ ft.}^2/\text{ac.}} = .001 \text{ gals./ft.}^2 \times \frac{231 \text{ in.}^3}{144 \text{ in.}^2} = .002 \text{ inches}$$

Therefore, a 1% of soil weight application of sludge would equal an instantaneous application of .002 inches.

The soils in question are capable of transmitting considerably more water than a 1% application rate dictates for this sludge.

However, the sludge is very saline and alkaline and, based on these characteristics alone, should not be applied to soils with a significant percentage of swelling clay. The additional reduced infiltration due to the application of hydrocarbons in the sludge must be offset by tillage (when the clay soil is not too moist), and application when higher temperatures will insure substantial loss by volatility.

The Sodium Adsorption Ratio cannot be calculated from the lab analysis since calcium and magnesium concentrations have not been determined; however, sodium and chloride concentrations are excessive, and may promote soil sealing, and toxicity to intolerant plant species.

A more definitive soil analysis is needed to assess the salinity-alkalinity and nutrient status of the site. It should include:

- a. pH
- b. Bulk density
- c. Cation exchange capacity, meq./100g
- d. Percent base saturation
- e. Electrical conductivity in mmhos/cm at 25°C
- f. Exchangeable sodium percentage
- g. Percent organic matter (C:N ratio as reflected by previous management)
- h. Nitrate nitrogen
- i. Total phosphorus
- j. Total potassium

Lab analyses for calcium and magnesium content of the sludge have been requested.

3. Classification as a Hazardous Waste

It has been mentioned that the Solid Waste Section does not consider this sludge to be a hazardous substance. However, several elements that are used as toxicity criteria have not undergone analysis. (This may be due to the determination being made on the basis of ignitability, corrosivity and reactivity tests). In any event, I have requested analyses for arsenic, barium, mercury and selenium.

4. Vegetation

The native vegetation for a Saline Upland Range Site consists of Gardner Saltbush, Bottlebrush Squirreltail and Indian Ricegrass. Since it is mentioned in the permit application that the sludge will be applied to plowed ground, can we assume that the native vegetation has been entirely removed?

If scarification and tillage has not yet been performed, I would suggest disking the site once over to break up the surface layer, but doing nothing further to remove the salt-tolerant native vegetation due to the salinity of the sludge. If sludge is applied to the site even at low application rates, salts may accumulate unless an excess or leaching fraction of some other irrigation water is applied; the high sodium content of the sludge may promote dispersion of the soil particles and reduce infiltration. Application of gypsum or sulfuric acid may be required to reverse this effect if it occurs.

If the soil has been cleared of native vegetation, I would suggest seeding yellow sweetclover to the site after the first few applications. This forage species should be able to tolerate the salinity and the hydrocarbons in the sludge. It is important to evaluate the germination of the sweetclover under pre and post-application conditions and, given that germination and stand production is successful, the subsequent response (production, vigor) of the vegetation. The initial concern is for maintenance of surface infiltration and adequate subsurface aeration and moisture content, in addition to hydrocarbon degradation. I am recommending that the sludge be applied at the rate of 44 gals./acre/week with supplemental irrigation with another water source. This recommendation is subject to review if the requested soil and lab analyses are submitted.

Landfilling the sludge would appear to accommodate the volume generated more adequately.

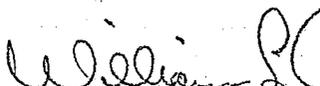
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

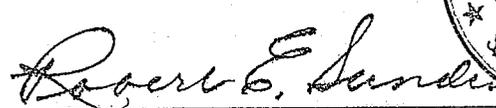
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
No. 1479
Administrator
Water Quality Division


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

March 22, 1982
Date of Issuance

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

MRC:ch

4-8-82

PERMIT TO CONSTRUCT

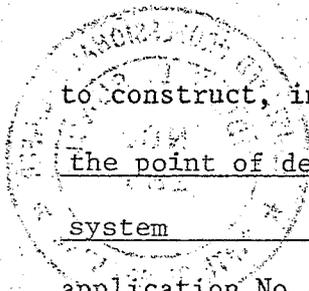
- New
- Renewal
- Modified

Permit No. 82-93R

Cowley's Water System Improvements
(Name of Facility)

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

Town of Cowley
c/o Harry Schmitt
PO Box 635
Cowley, WY 82420



to construct, install, or modify ~~xx~~ water main meters near Deaver Reservoir and at
the point of delivery into the distribution system plus a water tank overflow drainage
system facility according to the procedures and conditions of the

application No. 82-93R. The facility is located in _____

Sec. 29, T57N, R96W

_____ in the County of Big Horn,

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

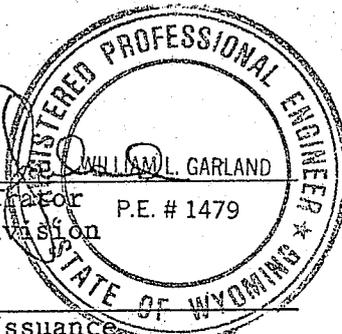
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

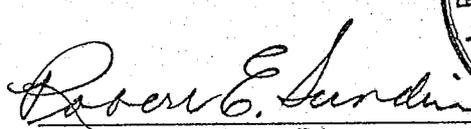
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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. GARLAND
Administrator P.E. # 1479
Water Quality Division



Director
Dept. of Environmental Quality


March 19, 1982

Date of Issuance

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

MRC:ch

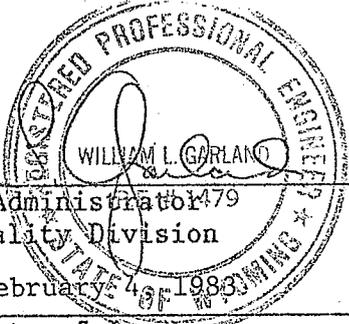
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

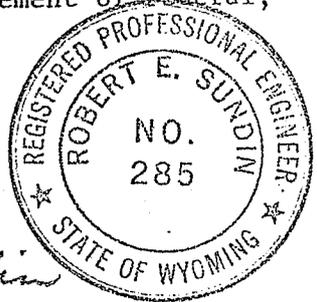
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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AUTHORIZED BY:



Administrator
Water Quality Division
February 4th 1988
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
P.O. Box 193
Newcastle, WY 82701



NORMA

Follow-up
ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

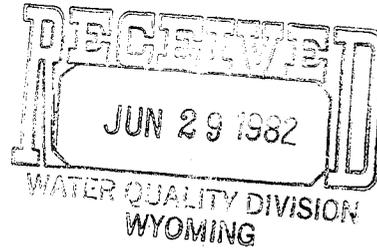
2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

June 28, 1982

Mr. William Townsend, III
1661 Grey Boulevard
Newcastle, Wyoming 82701



RE: DEQ Permit to Construct,
No. 82-94

Dear Mr. Townsend:

I am still in need of a letter from the City of Newcastle stating that they have reviewed and approved the sewer extension for the First Addition East Saddle Subdivision. This verification is needed before a permit to construct can be issued. Please forward it as soon as possible.

Sincerely,

Rich Ruyle
Environmental Engineer

RR:ls

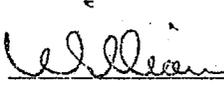
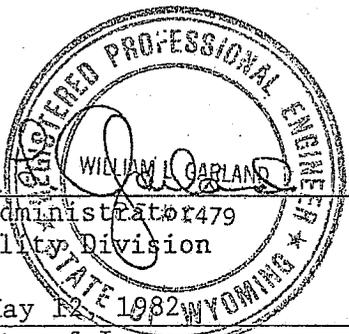
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

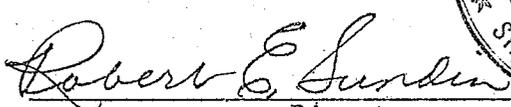
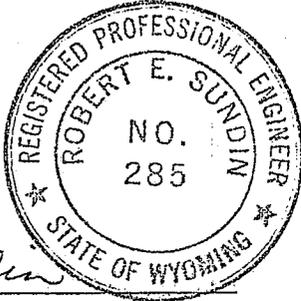
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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



Administrator 479
Water Quality Division
May 12, 1982
Date of Issuance



Director
Dept. of Environmental Quality

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

xc: Plains Engineering
P.O. Box 432
Buffalo, WY 82834

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Johnson County High School
Water and Sewer Extensions

ARCHITECT OR ENGINEER: Keith A. Neustel
Plains Engineering
P.O. Box 432
Buffalo, Wyoming 82834

WATER QUALITY DIVISION
REFERENCE NUMBER: 82-95

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: March 31, 1982

ACTION: Not Authorized

COMMENTS:

- 1.) The class of the water pipe to be used does not appear to be included in the specifications.
- 2.) Thrust block locations should be noted on the plans.
- 3.) It should be noted that Table 1 on page 7 of Section 301 in the specifications is appropriate only for types of pipe that have two joints for every pipe connection (mainly asbestos-cement pipe). The formula $L = \frac{ND \sqrt{P}}{7400}$ is correct for any type of pipe. Therefore, I suggest deleting Table 1.
- 4.) Headloss calculations should be provided for the 8" PVC water line to ensure that the new booster pumps can provide adequate pressure. Will they be pumping against the static head of the water tank?
- 5.) We need one additional copy of your submittals.

Feel free to call me with questions.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-96
SEE SPECIAL CONDITION

Irrigation System Base Softball Fields
(Name of Facility)

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

Jordan C. Holland

Bldg. 320 90CES/DEE

Cheyenne, WY 82001

to construct, install, or modify a public water distribution system extension facility according to the procedures and conditions of the application No. 82-96. The facility is located in Warren AFB, Section 35, 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.

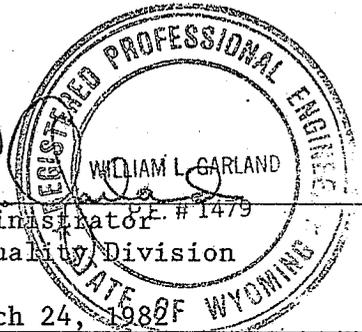
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

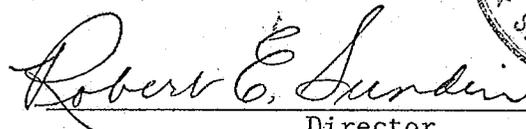
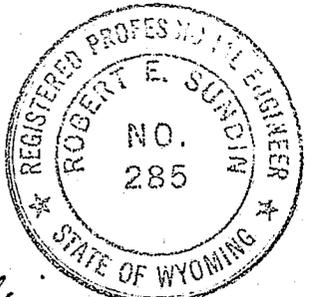
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, 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
 Administrator # 1479
 Water Quality Division
 March 24, 1980
 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

A reduced pressure principle backflow preventer conforming to AWWA standard C-506 shall be installed in place of the double check valve assembly as specified on Page 2I-1 of the specifications.

cc: Kenneth G. Moore
 J. T. Banner & Associates
 P.O. Box 550
 Laramie, WY 82070

3 - 25 - 82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-97

Homan Residence
(Name of Facility)

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

Violet Homan

Rt. 1, Box 510

Cheyenne, WY 82001

to construct, install, or modify a small wastewater subsurface disposal facility according to the procedures and conditions of the application No. 82-97. The facility is located in Tract 8, Stansbury Addition, Section 12, T13N, 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.

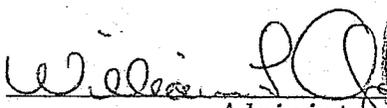
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

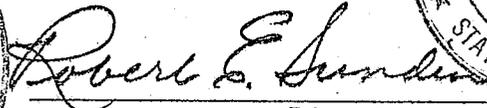
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


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

Administrator
Water Quality Division

March 13, 1982
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: Jordon C. Holland
5009 McCue
Cheyenne, WY 82001

4-13-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 82-98

Rock Springs-12" Main, "D" St. Pump Station to Con. St.
(Name of Facility)

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

Pacific Power & Light
920 SW Sixth Ave.
Portland, OR 97204

to construct, install, or modify a _____

12" watermain with pumphouse alterations

_____ facility according to the procedures and conditions of the

application No. 82-98. The facility is located in _____

Sec. 35, T19N, R105W

_____ in the County of Sweetwater,

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

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

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

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

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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

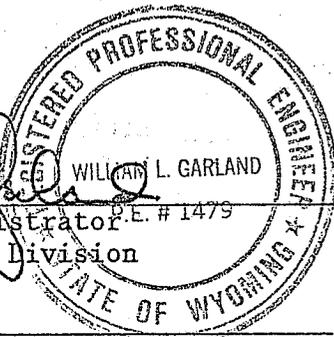
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

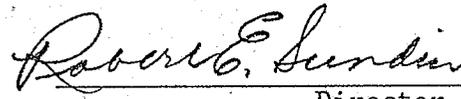
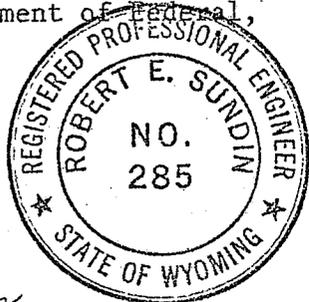
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AUTHORIZED BY:


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



Director
Dept. of Environmental Quality


March 26, 1982
Date of Issuance

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

AJB:ch

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.

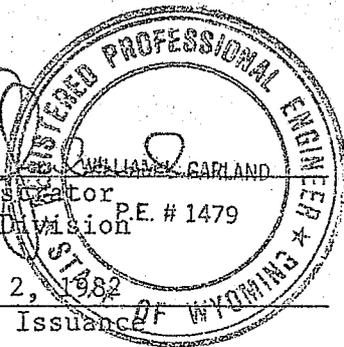
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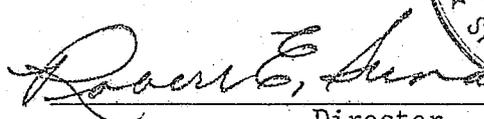
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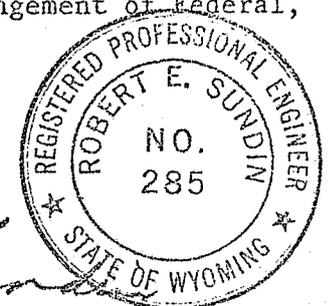
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administratoror
Water Quality Division PE. # 1479
August 2, 1982
Date of Issuance




Director
Dept. of Environmental Quality



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

Condition of Permit

The permittee shall, at the request of DEQ/WQD, monitor the chemical and bacteriological parameters outlined by DEQ/WQD in the wells designated by DEQ/WQD.

AB:dp

82-99RR



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

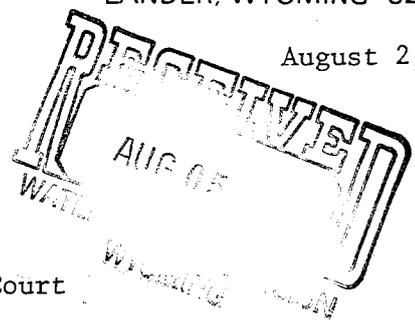
Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

August 2, 1982



Mr. Ramon M. Chaparro
Grover, WY 83122

Re: Chaparro Trailer Court

Dear Mr. Chaparro:

The Permit to Construct for the referenced trailer court has been drafted and sent for signature. In a couple of weeks the permit will be forwarded to you. A condition of your permit is groundwater monitoring at the request of DEQ/WQD. Initially the monitoring requested is nitrate analysis of the west well on a quarterly basis. The results should be submitted to this office.

Respectfully,

Albert J. Berreth
Area III Supervisor

AB:dp

cc: ✓ Cheyenne DEQ/WQD
Ross Turner
File (5)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

270 Lincoln

LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: CHAPARRO TRAILER COURT

ENGINEER: Ross M. Turner
PO Box 808
Afton, WY 83110

OWNER: Ramon M. Chaparro
Grover, WY 83122

WATER QUALITY DIVISION REFERENCE NUMBER: 82-99

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: March 26, 1982

ACTION: Not authorized.

COMMENTS: The following items need to be addressed before a permit can be issued:

1. Water riser needs concrete pad and positive purge.
2. Primary drinking water standards need to be analyzed.
3. A copy of the well log is needed.
4. Please submit an analysis of the well west of the project.
5. I am sending this to our groundwater section for comments.
6. The information provided is insufficient to determine the adequacy of the pressure tanks (both size and quality).

AJB:ch

AC

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 21, 1982

Mr. Edward L. Hynes
Rocky Mountain Energy
10 Longs Peak Dr.
Box 2000
Broomfield, CO 80020

RE: 82-100R, Wastewater Holding tank for Bear River Sand & Gravel

Dear Mr. Hynes:

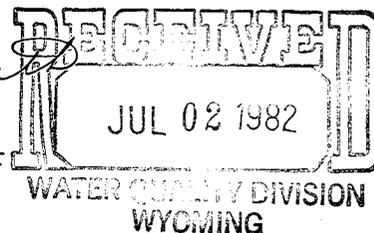
With this letter, authorization for the referenced project is being given. Because this is an as-built situation, a formal permit cannot be issued.

Please contact me if you have further questions.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Area III Supervisor



AJB:ch

cc: Cheyenne DEQ/WQD
Lander DEQ/LQD
File (4)