

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.

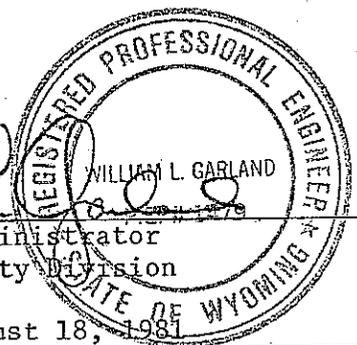
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

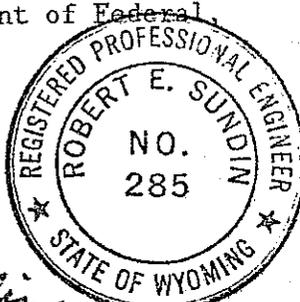
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
August 18, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

xc: Mr. E. R. Andrews
Stearns-Rogers Engineering Corp.
4500 Cherry Creek Drive
Denver, Colorado 80217

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.

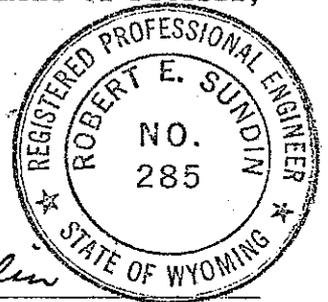
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AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

November 23, 1981
Date of Issuance

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: Shell Oil Company, North Rochelle Mine
Wastewater Reservoir No. 1

ARCHITECT OR ENGINEER: C. R. Reiter E. R. Andrews
Shell Oil Company Stearns-Rogers Engineering Corp.
P.O. Box 2906 4500 Cherry Creek Drive
Houston, Texas 77001 Denver, Colorado 80217

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-452

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: August 18, 1981

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

The plans appear adequate. The only additional item which will be required is a testing specification to ensure that the percolation requirement shown on Sheet 10 is met.

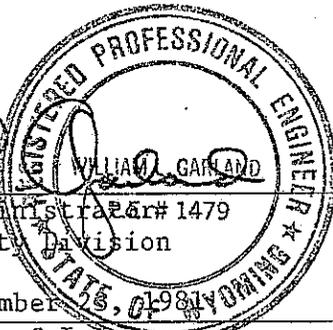
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

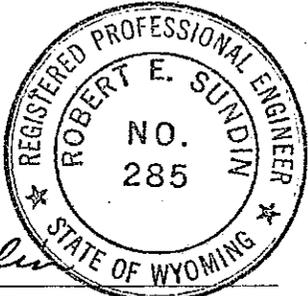
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William J. Garland

William J. Garland
Administrator # 1479
Water Quality Division
November 15, 1981

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.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Shell Oil Company, North Rochelle Mine
Wastewater Reservoir No. 2

ARCHITECT OR ENGINEER: C. R. Reiter E. R. Andrews
Shell Oil Company Stearns-Rogers Engineering Corp.
P.O. Box 2906 4500 Cherry Creek Drive
Houston, Texas 77001 Denver, Colorado 80217

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-453

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: August 18, 1981

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. The following specifications are required:
 - the lift pump in the Primary Lift Station
 - the chlorination equipment (if gas chlorination is used, safety layout must be shown).
2. Two pumps are ordinarily required in lift stations.
3. It is strongly recommended that the Summer Fluid Level effluent riser be eliminated from the secondary pond. A severe ice cover will be capable of freezing around the riser and breaking it loose from its associated piping as the ice layer thickens and rises.
4. A minimum of 30 minutes post-chlorination effluent detention (average flow) must be provided.
5. A testing specification, to ensure that the percolation specification shown on sheet 12 is met, must be provided.
6. Plans, profiles and specifications for the sewer collection system must be provided. It is realized that such information may not be completely compiled at this time. It should be submitted in as complete a form as possible, however, with the understanding that it may be altered at a later date.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-454

'A' STREET SEWER EXTENSION
(Name of Facility)

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

City of South Superior

PO Box 307

South Superior, WY 82945

to construct, install, or modify $\frac{1}{2}$ additional 135' of sewerline and one manhole, for a total of two manholes and 610' of sewerline.

_____ facility according to the procedures and conditions of the

application No. 81-238. The facility is located in _____

Sec. 26, T21N, R102W

_____ 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, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

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

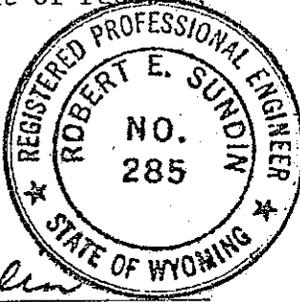
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
JULY 17, 1981
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.

AB:ch
7/17/81

PERMIT TO CONSTRUCT

New

Permit No. 81-455R

Renewal

Modified

SOUTH THERMOPOLIS WATER & SEWER PHASE I

(Name of Facility)

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

So. Thermopolis Water & Sewer District

Agent: Jerald Crews, P.E.

PO Box 204

Thermopolis, WY 82443

to construct, install, or modify a _____

Water supply mains

_____ facility according to the procedures and conditions of the

application No. 81-455R. The facility is located in _____

Sec. 11, 13, 14, T42N, R95W

_____ in the County of Hot Springs,

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, 933 Main Street, 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
APE #1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division


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

Director
Dept. of Environmental Quality

August 3, 1981

Date of Issuance

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

MRC:ch
7/31/81

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-456R
Note "Condition" on reverse side.

J - W WATER SYSTEM
(Name of Facility)

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

Rod and Chris Eastman

P.O. Box 1531

Jackson, WY 83001

to construct, install, or modify a _____

well, pressure tank vault and water system

_____ facility according to the procedures and conditions of the application No. 81-456R. The facility is located in _____

HES #107, T. 39N, R. 116W

_____ in the County of Teton,

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

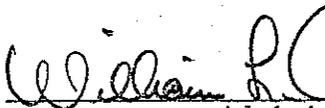
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

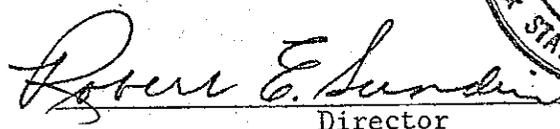
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

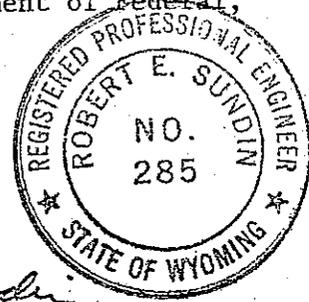
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM R. GARLAND
Administrator P.E. # 1479
Water Quality Division
September 10, 1981
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:

This permit is issued with the understanding the periodic monitoring, analysis and reporting of the well water quality will be done in accordance with the requirements as set forth by the Water Quality Division of the Department of Environmental Quality.

AB:nb
9-11-81



Tony Mancini

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 7, 1981



Mr. & Mrs. Rod Eastman
P.O. Box 1531
Jackson, WY 83001

RE: 81-456R, J-W Water System

Dear Mr. & Mrs. Eastman:

A condition of the above referenced permit is periodic sampling, monitoring and reporting of the well water quality. Along with this letter is a copy of Chapter VIII, Water Quality Rules and Regulations. Initially, a complete water analysis, consisting of all the parameters listed in Chapter VIII, must be performed to determine background water quality. Then, this analysis must be performed annually thereafter. Quarterly samples of chloride, nitrate, nitrite, ammonia and total dissolved solids must also be submitted.

The sampling dates will commence the day the water system is placed in operation.

~~Should you have questions, please contact me.~~

Respectfully,

Albert J. Berreth
Albert J. Berreth
Southwest District Engineer

AJB:nb
Enclosure

Copy: Bob Ablondi
Joe Chalfant
Tony Mancini
File (2)

THE STATE OF WYOMING



*Cheyenne
Teton*

ED HERSCHLER
GOVERNOR

*Department of Environmental Quality
Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

September 14, 1981

Mr. Bob Ablondi
Peter Jorgenson Engineering
P.O. Box 1142
Jackson, WY 83001

Re: J-W Subdivision, DEQ #81-456R

Dear Mr. Ablondi:

The review for the above referenced subdivision has been completed and the plans and specifications were found to be in compliance with Wyoming Water Quality Rules and Regulations. We have sent the permit to Cheyenne for signature and should be able to forward the approved plans, specifications, and permit to you in three to four weeks.

Respectfully,

Albert J. Berreth
Albert J. Berreth
Southwest District Engineer

AJB:nb
xc: Cheyenne DEQ/WQD
File (2)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: J-W Water System

ENGINEER: Peter M. Jorgensen Engs.
PO Box 1142
Jackson, WY 83001
ATT: Robert T. Ablondi

OWNER: Rod & Chris Eastmen
PO Box 1531
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-456

REVIEWING ENGINEER: Al Berreth

DATE OF REVIEW: August 5, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct can be issued the following items must be addressed:

1. The pressure tanks appear to have a minimal amount of space around them. How will maintenance be performed? How will a rear tank be replaced?
2. What is the depth to high groundwater?
3. What amount of water can be accommodated by the drain in the vault before surcharging occurs? It needs to have capacity for at least one full pressure tank.
4. Note Number 21 on Sheet 2 of 3 refers to a detail the location of which is not stated.
5. The point shown for future chlorine addition is inadequate because of insufficient chlorine contact time and inability to maintain a constant concentration of chlorine in the finished water.
6. The steps need to have a non-slip tread. What is the spacing between steps?

A, B, C

7. Is heat to be provided? If not, why?
8. Ventilation needs to be provided which is capable of 6 charges per hour.
9. Please address the need for or not for dehumidification.
10. The pumping station needs to be equipped with a duplex pumping units.
11. What intake pressure is expected on the booster pump? A gauge needs to be provided.
12. What type of alarm device is to be provided?
13. The storage tank drain must be located 12 to 24 inches above ground surface.
14. The storage reservoir vent must extend above the ground surface.
15. Pipe connections to the tank need to be detailed.
16. A silt-stop needs to be provided.
17. The water storage tank needs to be disinfected, according to AWWA D102, when completed.
18. The drawings on page 3 of 3 specify both a pitless adapter and pitless unit. Which is to be used?
19. The well must be grouted to a minimum of 20 feet below ground surface and preferably to the confining clay layer.
20. What are the aquifer characteristics such as transmissibility, storage, yield, etc.
21. Does the well have a gravel pack or screen? If not, what means will prevent the well from pumping sand now or some time in the future?
22. Comments will be coming from our groundwater section and from the Teton Co. Sanitarian.

AB/ch
8/12/81

xc: Tony Mancini - with plans
✓ Joe Chalfant - Teton County Sanitarian
✓ Cheyenne DEQ/WQD
File (4)

8-20-81

PERMIT TO CONSTRUCT

New

Permit No. 81-457R

Renewal

Modified

West Valley Subdivision
(Name of Facility)

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

Town of LaBarge

Box 327

LaBarge, WY 83123

to construct, install, or modify a _____
sewer and water system

_____ facility according to the procedures and conditions of the

application No. 81-457R. The facility is located in _____

Sec. 6, T26N, R112W

_____ in the County of Lincoln,

in the State of Wyoming. This permit shall be effective for a period of Two
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, 933 Main Street, 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.

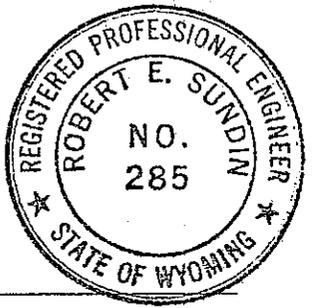
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William L. Garland

Administator
Water Quality Division
August 12, 1981

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.

AB/ch
8/13/81

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: West Valley Subdivision

ENGINEER: Johnson, Fermelia & Crank, Inc.
P.O. Box 631
Kemmerer, WY 83101

OWNER: Town of LaBarge
P.O. Box 327
LaBarge, WY 83123

WATER QUALITY DIVISION REFERENCE NUMBER: 81-457

REVIEWING ENGINEER: Al Berreth *ap*

DATE OF REVIEW: July 30, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct" can be issued the following items must be addressed:

1. The 8-inch water line needs to be equipped with a blow-off where it dead-ends.
2. Is this a mobile home park? If so, approved service line details will need to be supplied to the individual lot purchasers. If not, will service lines be brought to the property line? If so, details are needed.
3. Please detail sewer and water line connections.
4. Pumper nozzle must be removed from fire hydrant.
5. Please show locations of valves and tees on the water line profile.
6. Please show water line crossings on the sewer line profile.
7. The 8-inch line is incorrectly labeled on the profile on sheet 6 of 6.
8. Please note on the drawings that six feet of cover is required over the water lines.

Review of Plans and Specifications
West Valley Subdivision - DEQ #81-457
Date of Review - July 30, 1981
Page 2

9. On sheet 5 of 6, the water line sizes do not agree.
10. Can lots 8 and 1 be served by sewer?

AB:nb
7/31/81
xc: Cheyenne DEQ/WQD
File (4)

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-458

Reference: 81-310RR

MODIFICATIONS TO LARCHICK SANITARY SEWER AND WATER SYSTEMS
 (Name of Facility)

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

Dave Larchick
P.O. Box 489
Greybull, WY 82426

to construct, install, or modify _____

water and sewer line connections

_____ facility according to the procedures and conditions of the

application No. 81-458. The facility is located in _____

_____ Sec. 16, T. 51N, R. 93W.

_____ in the County of Big Horn,

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

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

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

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

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

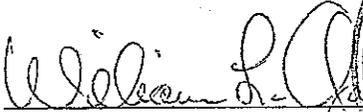
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of 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, 933 Main Street, 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.

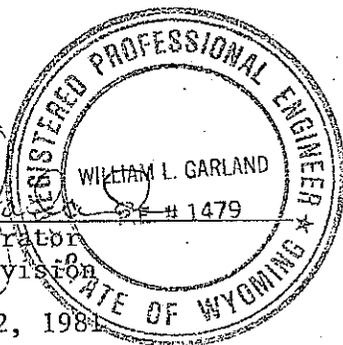
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

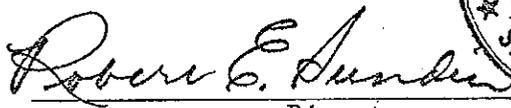
AUTHORIZED BY:



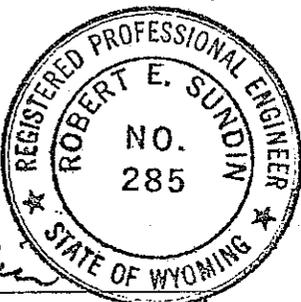
Administrator
Water Quality Division
July 22, 1981

Date of Issuance





Director
Dept. of Environmental Quality



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

MRC:nb
7/23/81

486

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-459

SEE SPECIAL CONDITIONS

Tri-State Investments
(Name of Facility)

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

Spiva Backhoe Service

P.O. Box 122

Mills, WY 82644

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-459. The facility is located in Lot 33, Skyview Industrial Park, Section 32, 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.

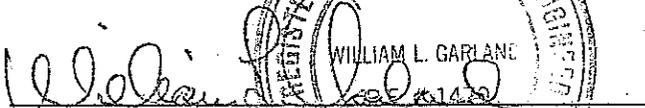
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

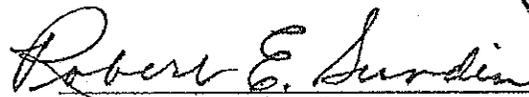
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

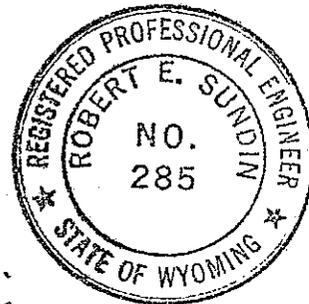
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Water Quality Division
STATE OF WYOMING
August 5, 1981
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: Edwin S. Rate, Jr.
Box 930
Casper, WY 82602

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.

8:5

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-460

See Special Condition

Gable Investments
(Name of Facility)

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

Spiva Backhoe

P. O. Box 122

Mills, WY 82644

to construct, install, or modify a commercial wastewater collection and subsurface disposal facilities facility according to the procedures and conditions of the application No. 81-460. The facility is located in Section 32, T33N, R79W, Lot 32 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.

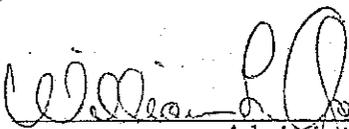
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

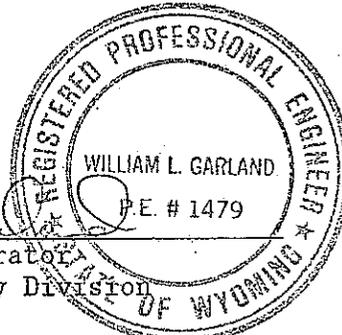
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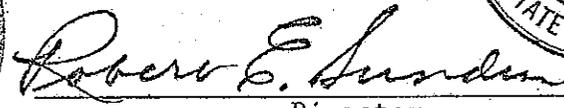
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

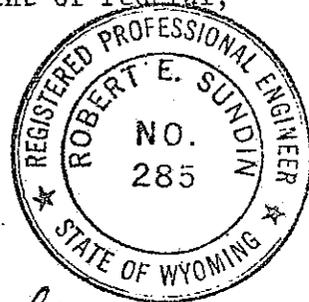


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



July 21, 1981
Date of Issuance

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

cc: Ed Rate, Jr.
P. O. Box 930
Casper, WY 82602

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.

8-5-81

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-461
See Special Condition

Titan Inspection Engineering
(Name of Facility)

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

Magnum Construction Company

23 Begonia

Casper, WY82601

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-461. The facility is located in Lot 84, Westgate Park 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.

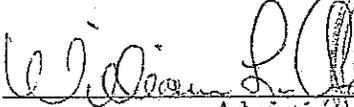
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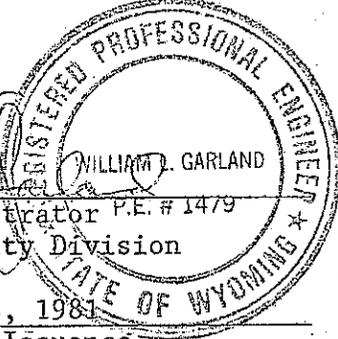
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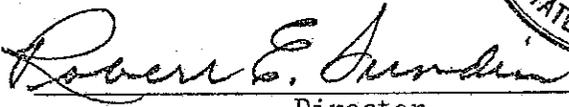
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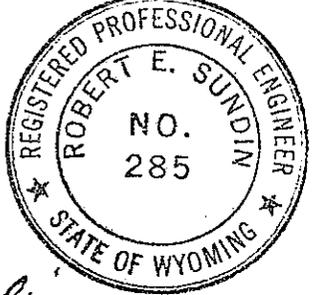
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM J. GARLAND
Administrator P.E. # 1479
Water Quality Division
August 3, 1981
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
1380 Bretton Drive
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.

L&J

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-462

CY Booster Station Modifications
(Name of Facility)

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

Casper Board of Public Utilities

200 N. David

Casper, WY 82601

to construct, install, or modify a the CY water booster station facility according to the procedures and conditions of the application No. 81-462. The facility is located in Section 17, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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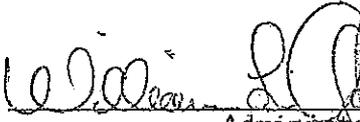
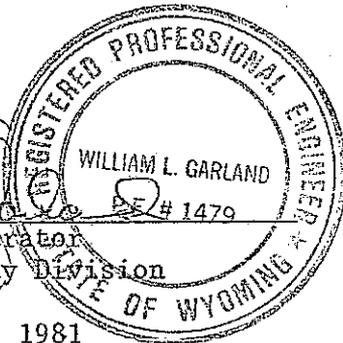
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

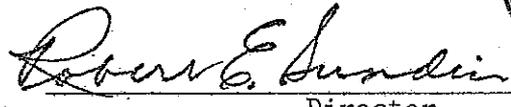
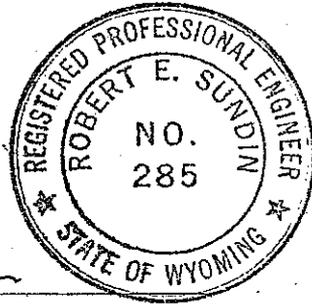
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AUTHORIZED BY:



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



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

August 5, 1981
 Date of Issuance

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

cc: Jim Nollenberger
 Black & Veatch
 12075 E. 45th Ave., Suite 400
 Denver, CO 80239

10-13-81

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-463R

Cedar Crest Townhouses
(Name of Facility)

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

Yates Corporation

Box 1016

Green River, WY 82935

to construct, install, or modify a water distribution system and sewer collection system for 204 townhomes facility according to the procedures and conditions of the application No. 81-463R. The facility is located in Sec. 27, T15N, 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.

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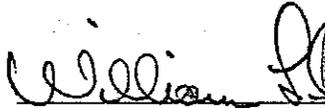
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

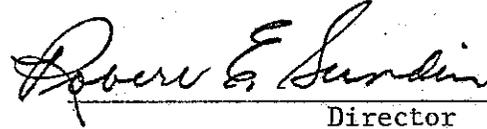
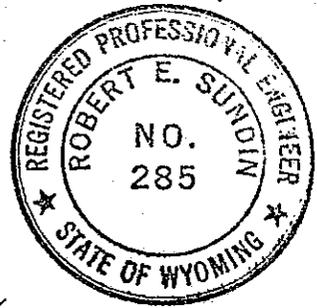
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:



WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
September 28, 1989
Date of Issuance



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
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Cedar Crest Townhouses

ENGINEER: Charles H. Call, Jr.
Patterson & Assoc., Inc.
PO Box 172
Provo, UT 84601

OWNER: Yates Corp.
Wayne H. Corbridge
PO Box 1016
Green River, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 81-463

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: August 14, 1981

ACTION: Not authorized.

COMMENTS: The following additional information is needed before a "Permit to Construct" can be issued:

1. Final approval is dependent on Wayne Shepherd's comments.
2. The sewer collection lines should be included on the application sheet under 4- "Brief description of facilities to be constructed".
3. Why is V.C.P. shown for the sewer cleanouts and building connection details on Sheet 4?
4. There should be pressure gauges upstream and downstream of the pressure reducing valves.
5. The detail on Sheet 3 of the water tap into the existing main shows 8" class 200 pipe downstream of the tap. However, Sheet 7 shows 6" pipe and Sheet 5 (pressure reducer detail) shows 8" class 150. All should be 8" C-200.

AC

Review of Plans & Specifications
Cedar Crest Townhouses
DEQ #81-463
Page 2

6. Both ASTM 2241 and AWWA C-900 are given for PVC water line specifications on Sheet 2. It should be limited to C-900.
7. A general note should be included on Sheet 2 or else where that all work shall be in conformance with the Wyoming Public Works Standard Specifications.

RR/ch
8/18/81

xc: Cheyenne, DEQ/WQD
Wayne Shepherd

Cheyenne

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 19, 1981

Mr. Wayne H. Corbridge
Yates Corporation
595 Uinta Drive
P.O. Box 1016
Green River, WY 82935

Dear Mr. Corbridge:

This is to notify you that the revisions of the sewer and water system for the Cedar Crest Townhomes (Permit #81-463R) have been assigned as Change Order #1 and approved on October 15, 1981.

Sincerely,

Rich Ruyle (ajb)

Rich Ruyle
Water Quality Construction
Projects Control Officer

RR:nb

Copy: Jim Jepson
Cheyenne DEQ/WQD
File (2)

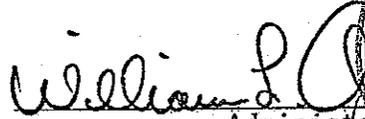
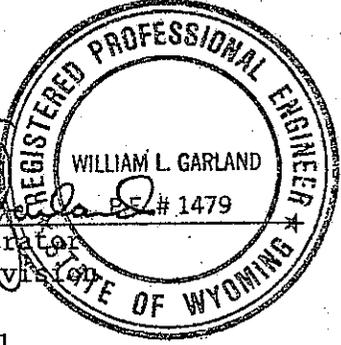
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

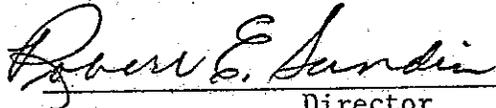
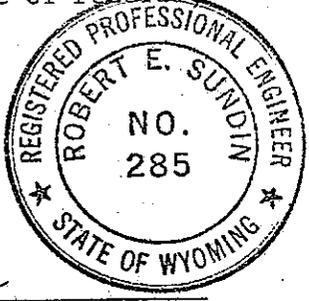
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AUTHORIZED BY:


WILLIAM L. GARLAND
PE # 1479
Administrator
Water Quality Division



Director
Dept. of Environmental Quality


October 7, 1981
Date of Issuance

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

AB:ch
10/7/81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-465R

Haddocks, Inc.
(Name of Facility)

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

Haddock's Inc.
1704 Elk Street
Rock Springs, WY 82901

to construct, install, or modify a septic tank and drainfield

facility according to the procedures and conditions of the

application No. 81-465R. The facility is located in Sec. 28, T. 19N, R. 111W

in the County of Sweetwater,

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

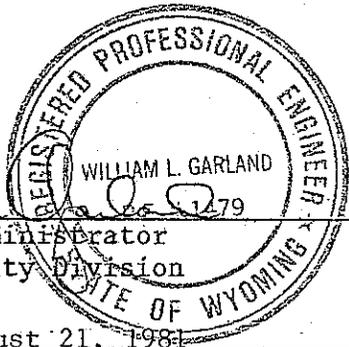
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

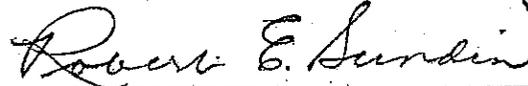
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
1479
Administrator
Water Quality Division

August 21, 1981
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.



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 18, 1983

CERTIFIED #P 323 732 172

Haddock's, Inc.
1704 Elk Street
Rock Springs, WY 82901

RE: Construction Permit #81-465R
Haddock's, Inc. in Granger

Dear Sirs:

On May 4, 1983 I visited the referenced facility at the request of Sweetwater County. My investigation revealed that facility was not constructed in accord with the issued construction permit. Therefore, it will be necessary to supply as-constructed drawings as soon as possible.

If the installation does not meet minimum state standards, improvements will need to be made or the facility abandoned.

Any use of this facility before the as-constructed drawings are accepted will need to be considered a willful violation of Wyoming Water Quality Rules and Regulations. Violation of these regulations can result in a fine of up to \$10,000 per day.

Respectfully,

A handwritten signature in cursive script, appearing to read "Albert J. Berreth".

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Sweetwater County Health Department
Mayor of Granger--Martin Tyler
Cheyenne DEQ/WQD ✓
File (2)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Haddock's Inc.

ENGINEER: Indo-American Eng.
PO Box 1813
Rock Springs, WY 82901

OWNER: Haddock's Inc.
1704 Elk St.
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 81-465

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: August 4, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct" can be issued, the following items must be addressed:

1. Since this project is within the city limits of Granger, a letter from Granger is needed which accepts this type of project.
2. As soon as city sewer becomes available connection to the Granger system will need to be made. When do you expect that the city sewer will be available?
3. Schedule 40PVC needs to be used as septic tank inlet/outlet pipe material. This needs to be reflected on the checklist.
4. The septic tank needs to have at least a 2,250 gallon capacity for 1,500 gal/day.
5. At what slope is the 4 inch line from the liquor store and bar? One quarter inch per foot is needed as a minimum.
6. What precautions will be taken to assure the 4" line is not broken by traffic?

A.B.C

Review of Plans and Specifications
Haddock's Inc.
DEQ #81-465
August 4, 1981
Page 2

7. Do you intend to install cleanouts?
8. The plan view of the leach field does not agree to the detail drawing of the leach field.
9. Three (3) copies of the final drawings are needed for approval.

AJB/ch
8/4/81

xc: Tudor Engineering - Don Armstrong
✓Cheyenne DEQ/WQD
File (4)

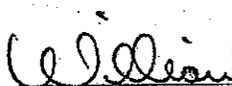
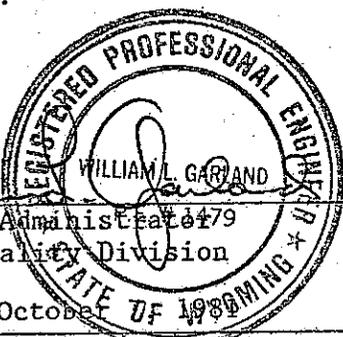
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

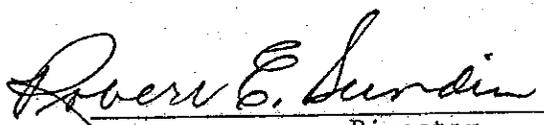
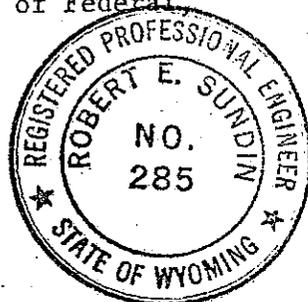
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AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division
October 7, 1981
Date of Issuance



Director
Dept. of Environmental Quality

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

AJB:nb
10/7/81

Chapman

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: HERITAGE PARK CONDOMINIUMS

ENGINEER: Rocky Mountain Engineering & Surveying, Inc.
P.O. Box 805
Evanston, WY 82930
ATTN: Dale E. Peterson

OWNER: Contour Development Corporation
404 East 4500 South
Salt Lake City, UT 84107
ATTN: Bob Dance

WATER QUALITY DIVISION REFERENCE NUMBER: 81-466; C.O. #1

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: November 5, 1981

ACTION: Not authorized.

COMMENTS:

Your recent submittal dated October 19, 1981 is being handled as a Change Order. It has been compared with the approved plans and the changes shown on sheet CE 4 appear to be minor in nature, and acceptable. However, the engineer's stamp is dated 7/16/81, and the revisions are dated 10/15/81. Please update the engineer's stamp to reflect his approval with the latest changes.

AJB:nb
11/6/81
Copy: File (4)

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.

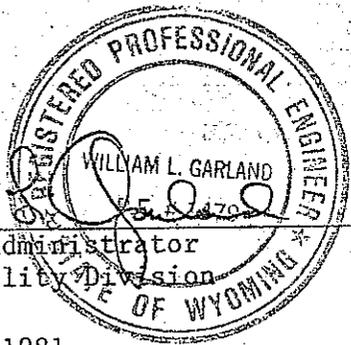
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AUTHORIZED BY:

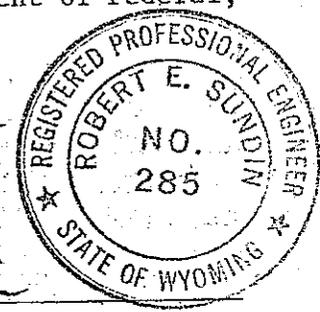
William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality



November 9, 1981
Date of Issuance

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

MRC:d1
11/9/81

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Anaconda Company/Green Mountain Exploratory Project

ENGINEER: D'Appolonia Consulting Engineers, Inc.
7400 South Alton Court
Englewood, CO 80112
ATT: Corwin E. Oldweiler, P.E.

OWNER: Anaconda Copper Company
555 17th Street
Denver, CO 80217
ATT: P.L. Collyer & S.A. Bamberg

WATER QUALITY DIVISION REFERENCE NUMBER: 81-467

REVIEWING ENGINEER: M. Robin Collins, P.E.



DATE OF REVIEW: August 20, 1981

ACTION: Not authorized.

COMMENTS: After reviewing the aforementioned project, I would like to offer the following comments for your consideration in processing the necessary permit:

1. Further piping details between the sedimentation pond, first and second stage, settling ponds, and the water treatment plant should be provided. Also, proposed discharge points should be shown.*
2. Further design details on the $BaCl_2$ water treatment plant itself should be given with special attention to the uranium and radium removing capabilities.
3. Either under a separate application or incorporated with this submittal, approval for the proposed sewage treatment plant will need to be authorized by this office.

If further information is required, please do not hesitate to contact us.

MRC/ch
8/20/81

xc: Cheyenne, DEQ/WQD
File (4)

* As a reminder, a NPDES permit must be obtained from our Cheyenne office prior to any discharge from this facility.

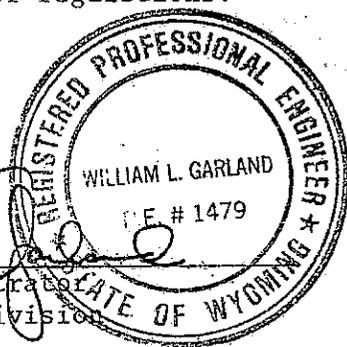
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

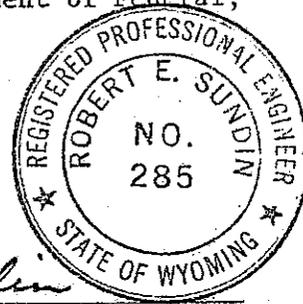
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AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

September 22, 1981
Date of Issuance

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

xc: Peter Spuler, Jr.
Scott Engineering Co.
P.O. Box 2097
Gillette, WY 82716



Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

July 31, 1981

Mr. Peter Spuler, Jr.
Project Engineer
Scott Engineering Company
P.O. Box 2097
Gillette, Wyoming 82716

RE: Permit Application No. 81-468
Collins Heights Subdivision

Dear Mr. Spuler:

This office has reviewed your preliminary design information regarding capacity determination of the new water storage tank for the Collins Heights Subdivision that you submitted as part of the permit application to expand its current water system.

Review indicates that proposed tank size of 125,000 gallons is acceptable in view of the fact that the storage capacity adequately includes the fire demand and concurrently is capable of supplying average domestic consumption rate for almost 24 hour duration. Additionally, submitted mass diagram assured that peak daily demand can also be adequately met with 24 hour well pumping. It should be noted that design data was thorough and studiously prepared.

Nevertheless, since the submittal only covered the storage capacity, I expect you to supply additional information to us soon, including tank erection/coating/disinfection specification, booster pump modification, piping details, control method change, waterline extension and any other modifications involved. The official permit to modify can be issued only after said follow up information is approved by this office.

Regarding your request to furnish the Division's policy letter as to requirement of disinfection capability for all public water supply systems, I asked the Cheyenne headquarter office to send you the copy. Please contact Jake Strohmman, Engineering Supervisor, in this matter at 777-7097.

Mr. Peter Spuler, Jr.
July 31, 1981
Page two

Lastly, I enclosed a copy of the Ten States Standards for Water Works that you requested over the phone.

If you have any further questions, please give me a call.

Sincerely yours,

A handwritten signature in black ink that reads "Dan H. Kim". The signature is written in a cursive, slightly slanted style.

Dan H. Kim, P.E.
Environmental Engineer

DHK/lis

Enclosure

xc: Jake Strohman

THE STATE OF WYOMING



*NORMA
Campbell*

ED HERSCHLER
GOVERNOR

*Department of Environmental Quality
Water Quality Division*

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

September 15, 1981

Bar Wy Construction
1307 West 1st Street
Gillette, Wyoming 82716

RE: Cities Service Company Office
Building and Warehouse Septic
System, WQD Ref. No. 81-469

Gentlemen:

We require all plans submitted to this office for approval to bear the engineer's signature. Therefore, the plan for the referenced septic system is being returned to you for the engineer's signature.

Yours truly,

Tom Mueller

Tom Mueller
District Supervisor

TM/lis

Enclosure

xc: Harry E. Tate, Cities Service Company



*Norma -
this letter is con-
sidered a review. PS*
ED HERSCHLER
GOVERNOR

*Department of Environmental Quality
Water Quality Division*

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

October 19, 1981

Mr. Harry E. Tate
Cities Service Company
300 S. Gillette Ave., 2A
Gillette, Wyoming 82716



Dear Mr. Tate:

We require all plans submitted to this office for approval to bear the engineer's signature. Therefore, the plan for the Cities Service Company Office Building and Warehouse septic system, WQD Reference No. 81-469, is being returned for your signature.

Yours truly,

Tom Mueller by LS

Tom Mueller
District Supervisor

TM/ls

Enclosure

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.

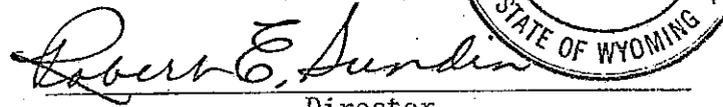
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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


WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
November 26, 1981
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.

xc: Harry Tate, Cities Service Engineering Division

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-470R

SEE CONDITIONS

JIM'S WATER SERVICE
OIL SKIM PONDS AND PRODUCED WATER EVAPORATION LAGOONS
(Name of Facility)

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

Jim's Water Service, attn: Chuck Hruby
c/o Hoskins-Western-Sonderegger
P.O. Box 2020

Gillette, Wyoming 82716

to construct, install, or modify ponds for recovery of oil and evaporation

facility according to the procedures and conditions of the

application No. 81-470R. The facility is located in

Sections 19 and 20, T.46N., R.74W.

in the County of Campbell,

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

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

The issuance of this permit 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

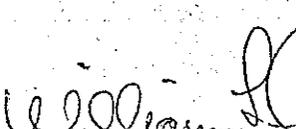
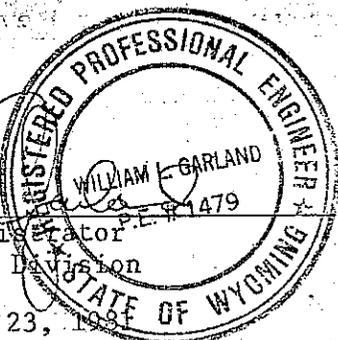
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

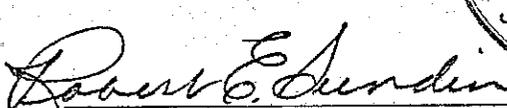
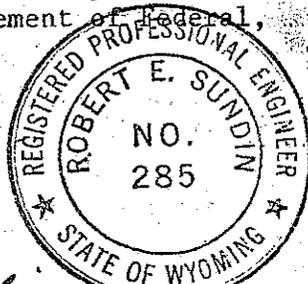
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AUTHORIZED BY:



 William E. Garland
 Administrator
 Water Quality Division
 State of Wyoming



 Robert E. Sundin
 Director
 Dept. of Environmental Quality
 State of Wyoming

October 23, 1981
 Date of Issuance

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

CONDITIONS

1. The permitted facility is intended only for the disposal of waste water produced with oil and gas production operations. Use of the facility for disposal or storage of any other type of waste water or waste of any kind is prohibited.
2. Discharge of any wastewater from this facility to any Waters of the State is prohibited.
3. The Water Quality Division reserves the right to impose such future restrictions on the operation of this facility as may be found necessary to protect the quality and current uses of the native groundwater in the area.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Jim's Water Service
Production Water Disposal Lagoons

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

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-470

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: August 31, 1981

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. The application is very well prepared, and the Division has no objection to the material presented. It is felt, however, that in order to properly evaluate the proposed liner, some information regarding the water proposed to be disposed of, and the existing groundwater, must be provided.
2. Since the Preliminary Report mentions the Heldt Draw oil field as the major source of wastewater, please provide an analysis of typical produced water from this field. Parameters analyzed should include pH, Total Dissolved Solids, Chlorides and Sulfates, Sodium, Alkalinity, and Nitrates.
3. Please indicate, to the extent possible, the depth and quality of the closest groundwater below the proposed lagoons. This information may be obtained from nearby well, provided distance to such a well is not too great. If a water sample can be obtained, it should be analyzed as above.

NORMA

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

Already
mailed
back
Dick.

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Tom Mueller, DIST. ENG.

FM: Dick Lennox, ENG. EVAL.

DATE: AUGUST 7, 1981

SUBJ: CONSTRUCTION SPECS. FOR OIL SIMILAR BODIES AND PRODUCTION WATER
DISPOSAL LAGOONS - JIMS WATER SERVICE INC. GILLETTE
WYOMING; review of (81-470)
~~_____~~

1. A review of subject material from a groundwater protection viewpoint indicates the following:

a. There is no indication of where the high and low seasonal levels of the groundwater exist. There is no quality data concerning the groundwater.

b. Based on limited information ($K = 2.6 \times 10^{-7}$ cm/sec and $K = 1.8 \times 10^{-7}$ cm/sec) the 1' clay liner appears good for only 7-10 years at best. Without knowing the depth of groundwater and the chemical breakdown of the groundwater (Quality) it is difficult to state whether or not this time frame is adequate.

c. While the soils report indicates the compacted clay material will be placed on the sides of the lagoon and pits the construction sheets do not indicate that this will happen. (Should be)

2. Based on the above, the application appears to be incomplete from the groundwater protection point of view.

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.

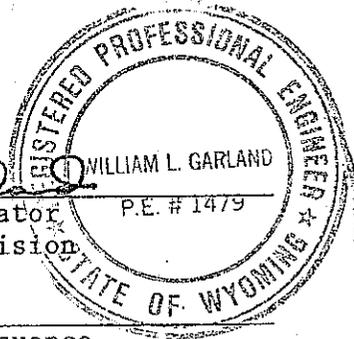
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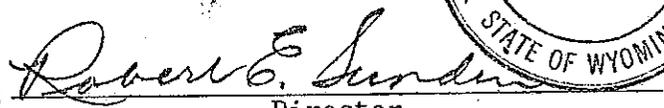
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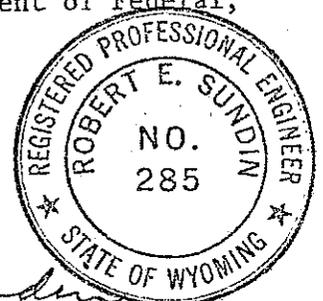
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AUTHORIZED BY:


Administrator
Water Quality Division




Director
Dept. of Environmental Quality



March 29, 1982

Date of Issuance

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

FL:ch

Cheyenne
Uinta

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Platts Second Addition

ENGINEER: Ken Walker
Uinta Engineering & Surveying, Inc.
P.O. Box 746
Evanston, WY 82930

OWNER: Lamond Platts
Lyman, WY 82937

WATER QUALITY DIVISION REFERENCE NUMBER: 81-471

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: September 7, 1981

ACTION: Not authorized.

COMMENTS: The following information is needed before a "Permit to Construct" can be issued.

1. Calculations, or a Hardy Cross analysis, are needed to verify that normal working pressure is between 35 and 100 psi in the water system, that 20 psi can be maintained during fire flow and peak demand, and that fire flow (1000 gpm) can be provided at all fire hydrants.
2. Valves should be shown on all of the fire hydrant leads.
3. No valve is shown on the Mesquite St. water line branch, on Sheet 1.
4. The plan view on Sheet 3 shows 425 feet between manholes on Lincoln St. This should be changed.
5. Details are needed of the sewer and water connections to existing lines.
6. Has a local fire official approved the location of the fire hydrants?
7. A letter is needed from the City of Lyman to verify that they can treat the additional wastewater and provide the additional water supply for this development.

RR:nb
9-11-81

AC

7-2181

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-472R

School District No. 1, Sewer and Water Extension
(Name of Facility)

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

School District No. 1

PO Box 1089

Rock Springs, WY 82901

to construct, install, or modify a _____

_____ sewer and water line extension _____

_____ facility according to the procedures and conditions of the application No. 81-472R. The facility is located in _____

_____ Sec. 34, T20N, R94W _____

_____ 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.

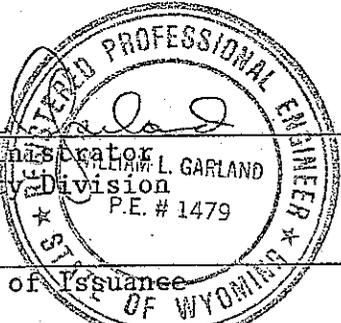
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

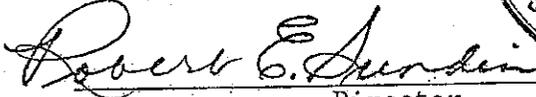
AUTHORIZED BY:



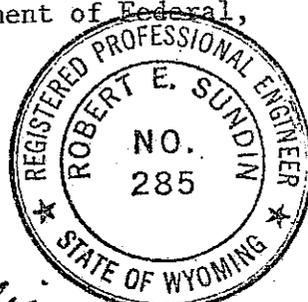
Administrator
Water Quality Division
LAWRENCE L. GARLAND
P.E. # 1479
August 17, 1981

Date of Issuance





Director
Dept. of Environmental Quality



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

FL/ch
8/18/81

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: School District No. 1, Sewer and Water Extension

ENGINEER: Robert Jack Smith & Associates
PO Box 1104
Rawlins, WY 82301
ATT: Paul McCarthy

OWNER: School District No. 1
PO Box 1089
Rock Springs, WY 82901
ATT: Rudy Magagna

WATER QUALITY DIVISION REFERENCE NUMBER: 81-472

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge *FL*

DATE OF REVIEW: August 7, 1981

ACTION: Not authorized.

COMMENTS: The following points need to be resolved before a "Permit to Construct" can be issued:

Water System

1. Verification is required (i.e. capacity computations) that the proposed line will be adequate for its intended use.
2. A letter is needed from the Town of Wamsutter stating they will allow tie-in to their water system and they can supply the required volumes of water at the required pressures.
3. What is the anticipated maximum and minimum static and dynamic pressures in the proposed line?
4. There is no water line profile from 6 inch tee with plug South to where the line ties into the 8 inch main.
5. It is recommended that valves not be located more than 500 feet apart.

A, B, C

Sewer System

6. Verification is needed that the 8 inch sewer line can handle the anticipated flows.
7. A letter is needed from the Town of Wamsutter stating they will allow tie-in to their sewer system and they can adequately handle and treat this additional flow.

Specifications

8. A note on the plans states "Sewer and water installation shall comply with the Town of Wamsutter Standards" yet a different set of specs is provided. Please explain.
9. The specs call for ASTM-D-3034 SDR35 PVC sewer pipe but the plans call for ASTM2241, Class 125, SDR 32.5 water line pipe.
10. The specs do not call for the sewer line to be tested at 75 psi as stated on the plans.

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

FL/ch

xc: Olena Buczacka - Wamsutter Town Planner
Don Armstrong - Tudor Engineering Co.
Cheyenne, DEQ/WQD
File (4)

666

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 473

SEE SPECIAL CONDITIONS

Mini Mart No. 110
(Name of Facility)

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

Mini Mart Inc.

P.O. Box 3259

Casper, WY 82602

to construct, install, or modify a commercial subsurface wastewater disposal facility facility according to the procedures and conditions of the application No. 81-473.

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.

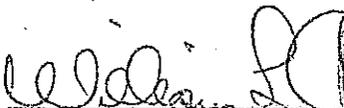
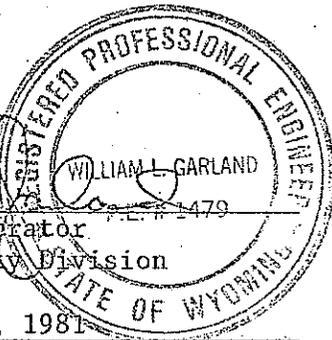
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

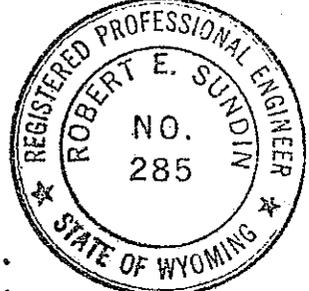
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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



 Administrator
 Water Quality Division
 STATE OF WYOMING



 Director
 Dept. of Environmental Quality

August 5, 1981
 Date of Issuance

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

cc: Gray Wangelin
 EIS
 P.O. Box 4075
 Casper, WY 82604

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.

L2/0

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-474

SEE SPECIAL CONDITIONS

Chance Collar Company
(Name of Facility)

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

Chance Collar Company

P.O. Box 3240

Casper, WY 82602

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-474. The facility is located in 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.

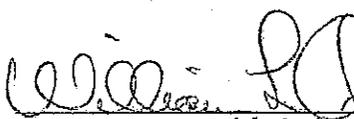
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

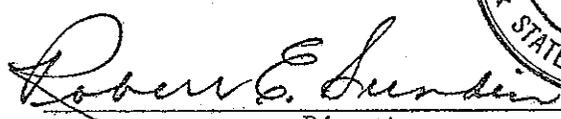
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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


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

August 5, 1981
Date of Issuance

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

cc: Gray C. Wangelin
EIS
P.O. Box 4075
Casper, WY 82604

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.

Cef

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-475

SEE SPECIAL CONDITIONS

Burris Drilling Company
(Name of Facility)

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

Construction Resources Inc.

770 West Collins

Casper, WY 82601

to construct, install, or modify a industrial subsurface wastewater treatment facility according to the procedures and conditions of the application No. 81-475. The facility is located in Lots 38, 39, 40, 41 & 42, Hartranft Subdivision, NE 1/4 NW 1/4 Section 29, 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.

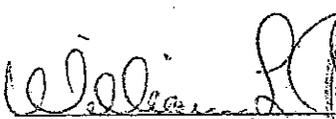
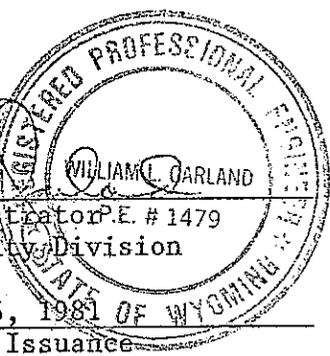
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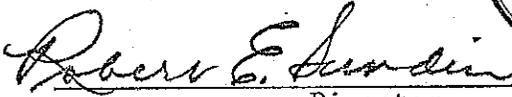
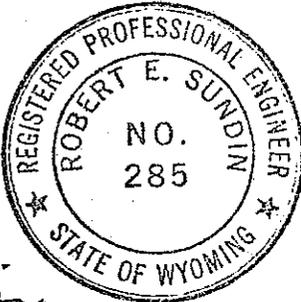
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AUTHORIZED BY:



 Administrator P.E. # 1479
 Water Quality Division
 August 5, 1981
 Date of Issuance



 Director
 Dept. of Environmental Quality

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

cc: Gray C. Wangelin
 EIS
 P.O. Box 4075
 Casper, WY 82604

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.

8-25-81

PERMIT TO CONSTRUCT

Permit No. 81-476

New
 Renewal
 Modified

Golden Clover Mine
(Name of Facility)

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

T Minerals, Inc.

P.O. Box 601

Encampment, WY 82325

to construct, install, or modify a wastewater stabilization pond facility according to the procedures and conditions of the application No. 81-476. The facility is located in Section 26, T14N, R82W 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.

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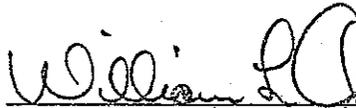
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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted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

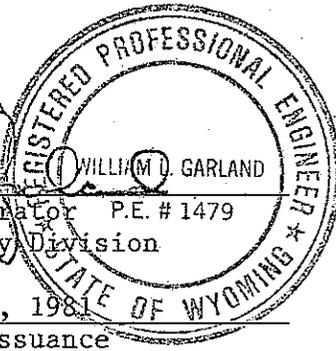
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AUTHORIZED BY:

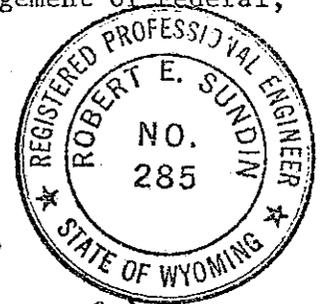


Administrator P.E. #1479
Water Quality Division
August 19, 1981
Date of Issuance





Director
Dept. of Environmental Quality



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

cc: Paul McCarthy
Robert Jack Smith & Assoc.
Box 1104
Rawlins, WY 82301

CE/6

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-477

SEE SPECIAL CONDITIONS

Ostdiek Court
(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 public water supply distribution system and a sewage collection system facility according to the procedures and conditions of the application No. 81-477. The facility is located in Section 27, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

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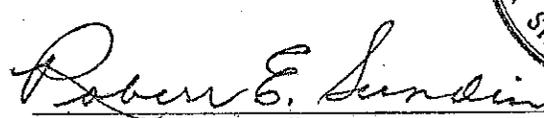
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


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

Administrator
Water Quality Division

August 5, 1981
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: Peter V. Hutchison
Hutchison Engineering
1902 Thomes, Room 207
Cheyenne, WY 82001

SPECIAL CONDITION

A drop manhole shall be installed in the sanitary sewer at Sta. 0+00.

11-17-81

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-478R
See Special Condition

Natrona County Airport Wastewater Treatment Pond No. 3
(Name of Facility)

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

Natrona County International Airport Board

Natrona County International Airport

Casper, WY 82601

to construct, install, or modify a municipal wastewater stabilization pond facility according to the procedures and conditions of the application No. 81-478R. The facility is located in E 1/2, SW 1/4, Section 21, 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.

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

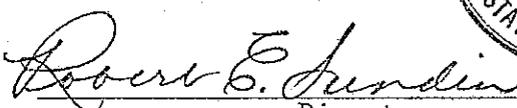
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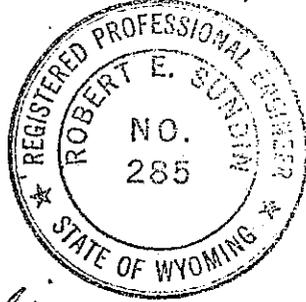
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Admin. Assistant L. GARLAND
Water Quality Division
P.E. # 1479
November 27, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

cc: Duane Fehringer, P.E.
501 N. Sun Drive
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.

81-478

Berry Vann
Western Engineers
501. N. Sun Drive
Casper, Wyo 82601

SUBJECT: Natrona County Airport

DATE: 9-23-81

MESSAGE:
- Enclosed is a copy of your initial submitted for Natrona County Airport Lagoons. I am disappointed at the progress of this violation. The initial violation was issued in February and nothing has been resolved as yet. If approvable plans & specs are not soon received, the matter will require legal action.

ORIGINATOR-DO NOT WRITE BELOW THIS LINE

REPLY TO →

SIGNED Thomas S Neuman

REPLY

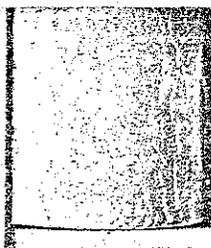
DATE

SIGNED

SEND PARTS 1 AND 3 INTACT-PART 1 WILL BE RETURNED WITH REPLY

RM-87

RETURN TO ORIGINATOR



LEF

Review of Plans and Specifications

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

PROJECT: Natrona County Airport Sewage Treatment Pond

ARCHITECT OR ENGINEER: Russ Donley, Western Engineers-Architects, Inc.
501 N. Sun Drive

WATER QUALITY DIVISION REFERENCE NUMBER: Casper, WY 82601

REVIEWING ENGINEER: 81-478

DATE OF REVIEW: T. S. Norman *T.S. Norman*

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

8-12-81

COMMENTS:

1. The wastewater useage rates you used are lower than common design values.

Airport @ 5 gpd/passenger
Industrial @ 35 gpd/person/shift
Mobile Homes @ 350 gpd/unit

Even with these increased rates, the design appears satisfactory as the seepage rate required would be less than 1/4 inch per day to provide for total containment. The 1/4 inch/day seepage rate is a reasonable engineering estimate.

2. The interior slopes of all sides of the lagoon must have a 2:1 to 4:1 slope. The pond bottom must be level. It is unclear what the top width of the lagoon dike is.
3. Riprap or other acceptable methods of erosion control must be installed at all anticipated water surface levels.
4. Why isn't the eastern dike constructed so that it is all the same elevation? Raising the dike to elevation 5230.0 would greatly increase capacity.

8-10-57

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-479

Revised Sunnyside Community Services, Inc.
(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 8-inch and 12-inch water main and 8-inch sanitary sewer facility according to the procedures and conditions of the application No. 81-479. The facility is located in Charles Street, Laramie Street, Rawlins Street, Fillmore Ave., Pierce Ave., Polk Ave., Section 26 & 27, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

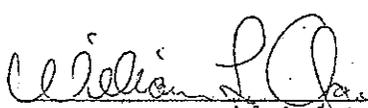
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

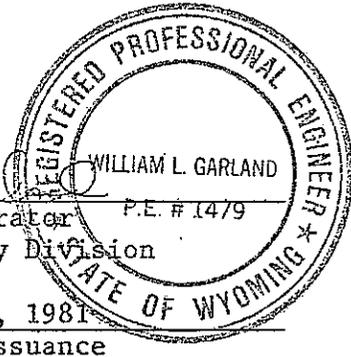
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

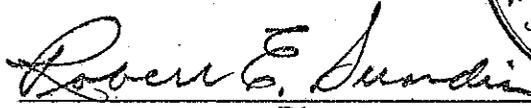
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

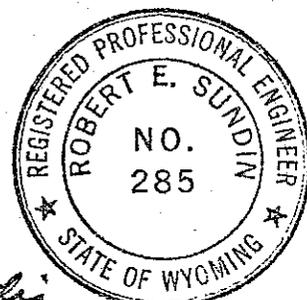
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administratoꝛ
Water Quality Division
August 12, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

cc: Fred A. Sielbach, Jr.
CSSA/Wyoming
1780 Westland Road
Cheyenne, WY 82001

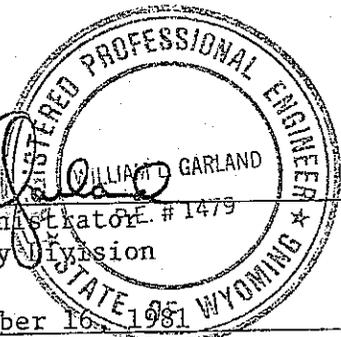
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

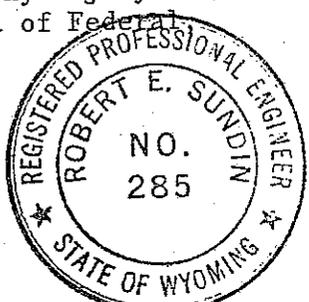
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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, #1479
Water Quality Division
September 16, 1981
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

This permit does not relieve the Permittee or any other person of the responsibility to obtain a specific Permit to Construct prior to beginning construction on any Public Water Supply or sewer main.

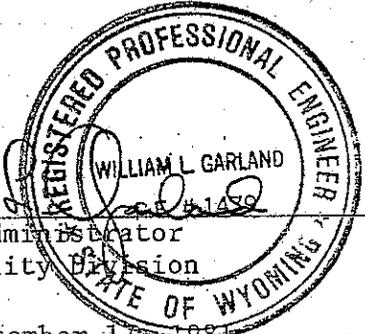
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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:


William L. Garland
Administrator
Water Quality Division
September 17, 1981
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: Chris Woster
Timm & Associates
P.O. Box 726
Gillette, WY 82716

7-54-01

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-482R

SEE SPECIAL CONDITION

Jet Mobile Home Park No. 1
(Name of Facility)

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

Gene J. Alloway

1634 Jim Bridger Ave.

Casper, WY 82601

to construct, install, or modify a public water distribution system extension and community subsurface disposal wastewater system for an eight-lot trailer park facility according to the procedures and conditions of the application No. 81-482R. The facility is located in Section 28, 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.

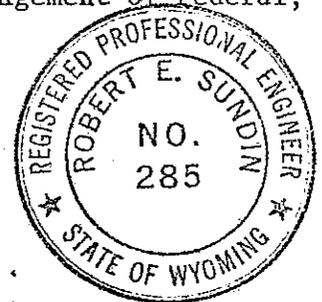
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

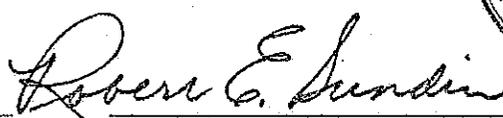
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:





Administrator
Water Quality Division #1478
September 16, 1981
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: R. G. Zimm, P.E.
Civil Engineering Consultants
#2, 254-No. Center
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: Jet Mobile Home Park

ARCHITECT OR ENGINEER: Richard Zinn, Civil Engineering Consultants
Suite 628, 202 E. 2nd St., Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-482

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

DATE OF REVIEW: August 11, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application form must be submitted (one is enclosed). *OK.*
2. Wastewater System
 - a. Is the disposal area an evapotranspiration bed (per notes 2, 3, §) or is it a conventional bed system?
 - b. The types of materials in the bed are quite uncommon in a typical bed. Why were these selected? Especially the 8-inches of straw.
 - c. The ends of the perforated pipe in the drainfield must be capped.
 - d. It is recommended that when the flow to a disposal area exceeds 2000 gpd, that a dosing system be installed to allow for better distribution of the effluent and to allow for wetting/drying cycles to promote aerobic conditions.
 - e. Manholes are required at changes in direction.
 - f. Details are needed on the cleanouts, manholes, and sewer cross-sections.
 - g. The outlet of the septic tanks must be three inches below the inlet of the septic tank.
3. Water system
 - a. The water lines entering the subdivision must be at least two-inches in diameter.
 - b. The AWWA C900 specification does not address 2-inch pipe. Please address materials, pressures, and that NSF approval is necessary.
 - c. Are there any isolation valves on this system?

-
- d. Note #17 states a "water tank" to be disinfected. Where is this tank?
 - e. How will the water be shut-off when a mobile home lot is not occupied?
4. The Groundwater Monitoring Section has requested the following information:
- a. The percolation tests were done in July and no groundwater was observed at seven foot. However what is the highest seasonal level of groundwater? This is usually determined by mottling of the soil. The USGS might also have information for this area.
 - b. The location of all wells within 1/4 mile of the site must be submitted along with available log and completion details.

E-25-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-483

SOHIO Petroleum Co., Huff Creek Federal No. 1
(Name of Facility)

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

SOHIO Petroleum Co.
PO Box 30
Casper, WY 82602

to construct, install, or modify a septic tank and disposal bed

facility according to the procedures and conditions of the application No. 81-483. The facility is located in Sec. 9, T27N, R119W

in the County of Lincoln, 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

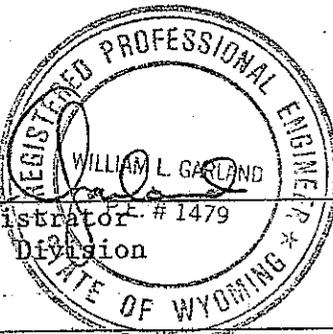
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

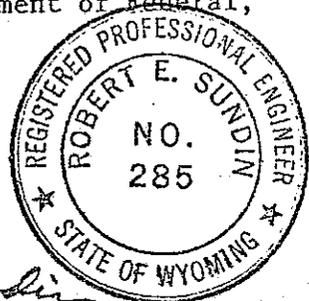
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

August 14, 1981
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.

AB/ch
8/14/81

xc: Lincoln County Planner
Al Reuter

0-2-77

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-484

UPDIKE SHOP BUILDING
(Name of Facility)

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

Uddike Brothers, Inc.

570 Lombard

Green River, WY 82735

to construct, install, or modify a _____

Septic Tank & Drainfield

_____ facility according to the procedures and conditions of the

application No. 81-484. The facility is located in _____

Sec. 7. T, 18N, R. 105W

_____ in the County of Sweetwater,

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

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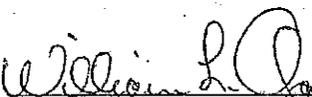
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

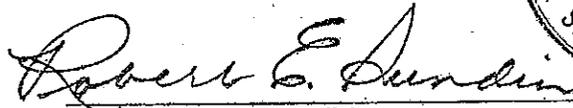
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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
PE # 1479
STATE OF WYOMING
Administrator
Water Quality Division
August 27, 1981
Date of Issuance


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

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

AB:nb
8-25-81

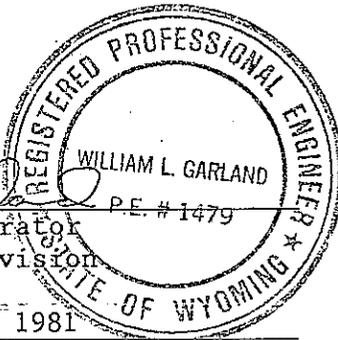
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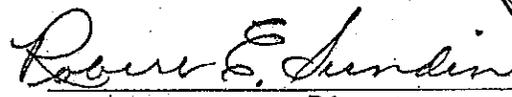
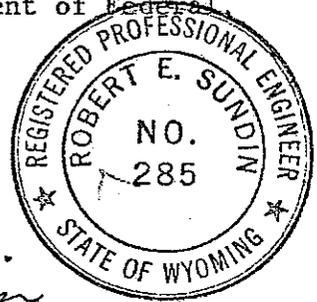
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any 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



Director
Dept. of Environmental Quality


July 28, 1981
Date of Issuance

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

MRC:nb
8/3/81

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-486R

BEAR RIVER PARK
(Name of Facility)

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

Upland Industries Corporation
404 "N" Street
Rock Springs, Wyoming 82901

to construct, install, or modify a water and sewer system and lift station

facility according to the procedures and conditions of the
application No. 81-486R. The facility is located in

Sec. 21, T. 15N, R. 120W

in the County of Uinta,

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

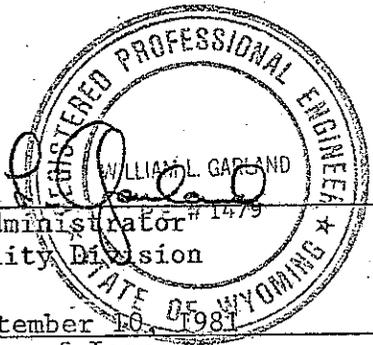
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

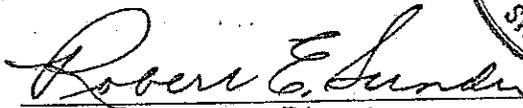
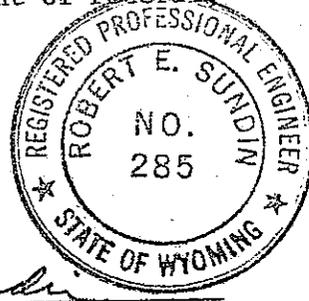
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

September 10, 1981
Date of Issuance


Director
Dept. of Environmental Quality


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

AB:nb
9-11-81

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Bear River Park

ENGINEER: Upland Industries Corp.
404 'N' Street
Rock Springs, WY 82901
ATT: Benjamin C. Bracken

OWNER: (Same)

WATER QUALITY DIVISION REFERENCE NUMBER: 81-486

REVIEWING ENGINEER: Al Berreth

DATE OF REVIEW: August 11, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct" can be issued the following items must be resolved:

1. A letter is needed from the City of Evanston which states they have the capacity in their water and sewer systems to accomodate this growth. The letter also must address any review comments the City Engineer may have. These comments need to be addressed before a permit to construct can be issued.
2. Please show gate valves in conjunction with fire hydrants.
3. Please note on the drawings the minimum horizontal and vertical separation between water and sewer mains.
4. It is recommended that thrust blocks be included for gate valves.
5. The specifications have pages missing and are, therefore, incomplete
6. How much thrust blocking is required? Please note quantity or where to find it on drawings.
7. The sewer line must be specified as to ASTM and SDR numbers on the drawings

A,B,C

8. Please include a letter from the railroad stating that crossing their ROW is acceptable.
9. Please show all waterline/sewerline crossings on the sewerline profile.
10. Please plot a waterline profile.
11. A cleanout detail is shown. Is it to be used or just included on a standard detail sheet?
12. Is the lift station in an area prone to flooding.
13. What is the static water pressure in this subdivision? It is preferred that anything over 100 psi be reduced to at least 60 psi in a common pressure reducing station.
14. Is a correction needed on the suction lift for altitude? A safety factor of 6 feet is required.
15. Running time meters are needed for the pumps.
16. Ventilation piping needs to be provided.
17. Dual vacuum priming pumps are required.
18. What activates the alarm light?
19. An overflow prevention strategy must be provided. A detention tank capable of holding 2 hours at peak flow is acceptable.
20. Please specify interior piping of the lift station.
21. Of what class material and coatings is the force main to consist?
22. The force main cannot come in over 2 feet above the existing invert.
23. Please detail connection to existing water.
24. Drawings and specifications need to be signed or stamped by a Wyoming P.E.

AB/ch
8/12/81

xc: Wayne Shepherd
Cheyenne, DEQ/WQD ✓
File (4)

436

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-487

SEE SPECIAL CONDITIONS

Homemakers Furniture
(Name of Facility)

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

Tim Klein

5011 Alcova Route, Box 19

Casper, WY 82601

to construct, install, or modify a industrial subsurface wastewater disposal facility facility according to the procedures and conditions of the application No. 81-487. The facility is located in Section 24, T33N, R80W, Lot 1, Douglass Subdivision 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.

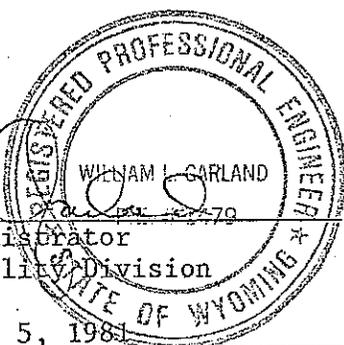
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

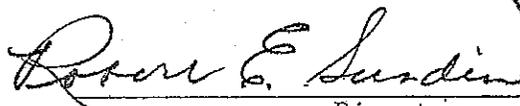
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

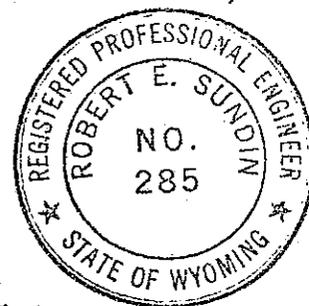
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



WILIAM I. GARLAND
No. 279
ADMINISTRATOR
Water Quality Division
STATE OF WYOMING



ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



August 5, 1981
Date of Issuance

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

cc: Gray C. Wangelin
EIS
P.O. Box 4075
Casper, WY 82604

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.

8-30

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-488R
See Special Condition

Johnston-Macco Service Building
(Name of Facility)

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

Gary Baur

900 W. Wilson Lane

Ogden, UT 84401

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-488R. The facility is located in 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.

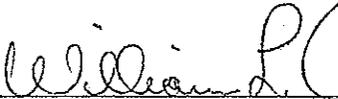
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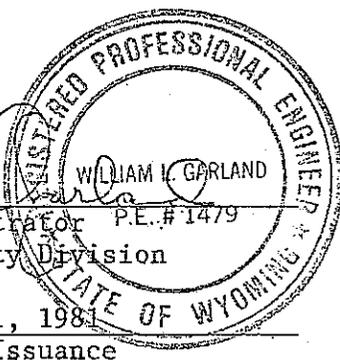
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

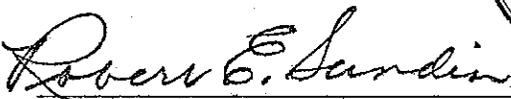
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

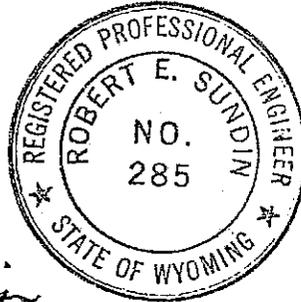
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM I. GARLAND
P.E. # 1479
Administrator
Water Quality Division
August 21, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

cc: Harry O. Patterson
437 S. Spruce
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

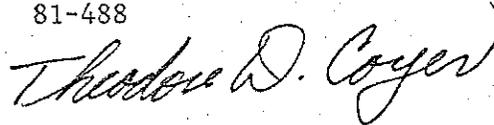
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Johnston-Macco Service Bldg.

ARCHITECT OR ENGINEER: Harry O. Patterson, P.E.
437 So. Spruce, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-488

REVIEWING ENGINEER: Theodore D. Coyer



DATE OF REVIEW: August 6, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The application form for this project is being returned to you so that it can be completed. Please indicate who the applicant is and his address and telephone number. Be sure the applicant signs the form.
2. What is the design flow for each system? How did you arrive at that figure?
3. The access openings over the septic tank inlet and outlet should be sized large enough for entry (20 inches x 20 inches), but small enough such that heavy equipment is not required to open them.

TDC/nc

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-489RRRR
SEE SPECIAL CONDITION

AMF Tuboscope
(Name of Facility)

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

AMF Tuboscope

P.O. Box 808

Houston, TX 77001

to construct, install, or modify a industrial subsurface wastewater disposal facility according to the procedures and conditions of the application No. 81-489RRRR. The facility is located in Tact C, R. Morgareidge Tracts, 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.

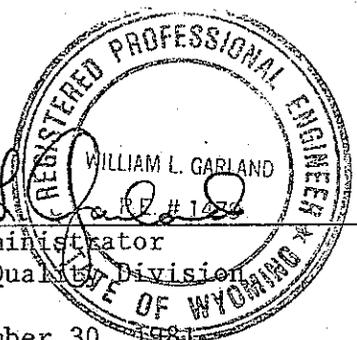
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

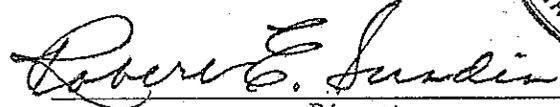
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

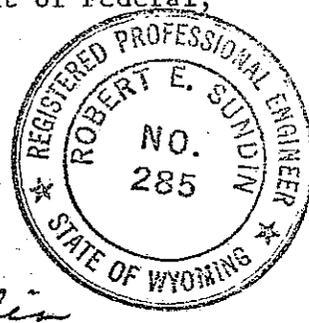
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
#1483
Administrator
Water Quality Division
STATE OF WYOMING




Director
Dept. of Environmental Quality



December 30, 1981
Date of Issuance

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

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.

Lef

Review of Plans and Specifications

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

PROJECT: AMF Tuboscope

ARCHITECT OR ENGINEER: Gray Wangelin, 145 So. Durbin Street
P. O. Box 4075, Casper, WY 82604

APPLICANT: AMF Tuboscope
P. O. Box 808, Houston, TX 77001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-489RR

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

DATE OF REVIEW: October 26, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The groundwater analysis that was submitted, indicates that it is of drinking water quality. Under the provisions of Chapter VIII of the Water Quality Rules and Regulations, this aquifer must be protected for that water use. These alternatives are available:
 - a. Design a system that does not discharge into the groundwater aquifer,
 - b. Design a system that discharges an effluent of sufficient quality that contamination of the aquifer is not possible.
 - c. monitor the proposed system with test wells on a routine basis to assure that contamination is not occurring. If contamination occurs, then the system must be abandoned and alternative treatment systems must be sought.

9-16-81

Review of Plans and Specifications

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

PROJECT: AMF Tuboscope, Natrona Co.

ARCHITECT OR ENGINEER: Gray C. Wanzelia, E.I.T.S.
P.O. Box 4075, Casper, WY 82604

APPLICANT: AMF Tuboscope
P.O. Box 808, Houston, Texas 77001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-489R

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

DATE OF REVIEW: September 8, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Pump Stations
 - a. The check valve must be located outside the wet well and the union for the pumps must be accessible without entering the wet well. These requirements are to eliminate anyone from entering the wetwell where hazardous conditions exist.
 - b. With a check valve installed, is it still necessary to slope the pressure line back to the wetwell? It appears that the pressure line will be almost ten foot deep at the pump chamber.
2. Is any of the groundwater information we requested available?

TSN/nc

Review of Plans and Specifications

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

PROJECT: AMF Tuboscope, Natrona Co.

ARCHITECT OR ENGINEER: Gray C. Wangelin, E.I.T.S.
P.O. Box 4075, Casper, WY 82604

APPLICANT: AMF Tuboscope
P.O. Box 808, Houston, Texas 77001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-489

REVIEWING ENGINEER: Thomas S. Norman and Dick Lennox

DATE OF REVIEW: *Thomas S. Norman*
August 12, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Is the existing drainfield being abandoned? Has the existing field failed? What was the cause?
2. Pump Station
 - a. The union should be located near the manhole cover so that the pump can be removed without anyone entering the manhole.
 - b. A check valve and gate valve are required on the pump outlet to prevent drainage of the 2" PVC back through the pump and for maintenance purposes. These should be located outside the pump chamber in an access manhole.
 - c. Duplex pumps are required for pumping facilities.
 - d. Current technology recommends that disposal fields not be dosed more than four times a day. The proposed system is at eight times a day.
3. Drainfield:
 - a. The ends of the 1-inch distribution pipe must be capped.
 - b. The finished grade of the surface must extend for a full ten feet beyond the leaching room.
4. Collection line. A clean-out should be installed at the bend between the two proposed septic tanks.

The following comments were obtained from Dick Lennox, Groundwater Monitoring Section:

1. Water Table:
 - a. Is the water table listed the seasonally high water table? When was it observed at this level?
 - b. Since pump station and septic tanks will be installed below water table, make sure proper seals are installed at the joints and pipe outlets.
2. Water Quality:
 - a. Are there any water wells within 1/2 mile of the drainfield? What are their depths and groundwater quality?
 - b. A map showing the location is needed in relation to nearby development.

TSN/DL/nc

1-20-87

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-490RR
SEE SPECIAL CONDITION

Westside Elementary School
(Name of Facility)

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

Mr. Keith Spencer

P.O. Box 2080

Mills, WY 82644

to construct, install, or modify a municipal wastewater collection system facility according to the procedures and conditions of the application No. 81-490RR. The facility is located in Section 22, T33N, 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 Office, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 30, Sheridan, Wyoming 82801; telephone, 672-6457.

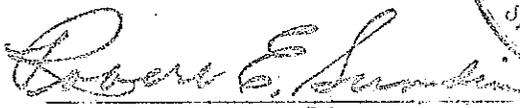
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
P.E. # 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division


REGISTERED PROFESSIONAL ENGINEER
ROBERT E. LUNDIN
NO. 235
STATE OF WYOMING

Director
Dept. of Environmental Quality

January 13, 1982
Date of Issuance

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

cc: Thomas McDill
The Engineers
6405 Indian Scout Dr.
Casper, WY 82601

Sam Hobbs
Casper BPU
200 N. David
Casper, WY 82601

Dan Coughlin
Brooks Water & Sewer District
P.O. Box 2080
Mills, WY 82644

Conditions to Permit to Construct

Wastewater generated by the Westside Elementary School shall be collected and transported from the school to the Casper municipal treatment facility via the North Platte River Sanitary Sewer Extension (Riverwest to Paradise Valley) and the North Platte Sewer Interceptor system.

11-12-81

Review of Plans and Specifications

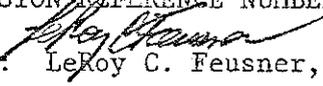
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Westside Elementary School, Natrona Co.

ARCHITECT OR ENGINEER: Tom McDill, Jr.
6405 Indian Scout Dr., Casper, WY 82601

APPLICANT: Keith Spencer
P.O. Box 2080, Mills, WY 82644

WATER QUALITY DIVISION REFERENCE NUMBER: 81-490R

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

DATE OF REVIEW: November 16, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

At a recent meeting here in Cheyenne with the project applicant, Keith Spencer, and Bill Anselmi and Chuck Luton, it was brought to our attention that the Westside Elementary School sewer line had to be laid at a higher ground elevation in order to make the connection to the North Platte River lift station and sewer extension across the river. Provide two copies of the revised engineering drawings to reflect this change.

LCF/nc

Review of Plans and Specifications

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

PROJECT: Westside Elementary School, Natrona Co.

ARCHITECT OR ENGINEER: Tom McDill, Jr.
6405 Indian Scout Dr., Casper, WY 82601

APPLICANT: Keith Spencer
P.O. Box 2080, Mills, WY 82644

WATER QUALITY DIVISION REFERENCE NUMBER: 81-490

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

DATE OF REVIEW: August 21, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

As determined by the Water Quality Administrator, a Permit to Construct for this proposed construction will not be granted until such time as we can be assured that the North Platte River Sanitary Sewer Extension (Paradise Valley to Riverswest) will be constructed and operational to collect and transport the wastewater from the school to the Casper municipal treatment facility. Therefore, please request that the Casper BPU submit to us an estimated construction schedule for the sewer extension line and the school. Since the Casper plant will be treating the wastewater, a letter from the Casper BPU will be required indicating that they can adequately transport and treat the additional hydraulic and organic wastewater load from the school.

LCE/nc

PERMIT TO CONSTRUCT

Permit No. 81-491R

New
 Renewal
 Modified

Air-Rail Industrial Park
(Name of Facility)

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

Air-Rail Development Co.

P.O. Box 567

Casper, WY 82602

to construct, install, or modify a potable water distribution facility according to the procedures and conditions of the application No. 81-491R. The facility is located in Sections 27, 34 & 35, 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.

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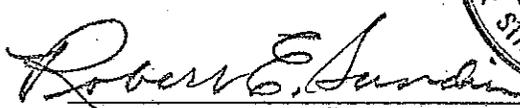
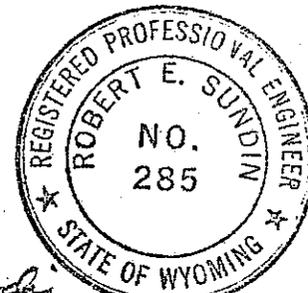
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division



ROBERT E. SUNDIN
Director
Dept. of Environmental Quality


August 20, 1981
Date of Issuance

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

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

Lef

Review of Plans and Specifications

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

PROJECT: Air-Rail Industrial Park

ARCHITECT OR ENGINEER: John E. Donmyer, P.E.
P. O. Box 3478, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 81-491

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

Theodore D. Coyer

DATE OF REVIEW: August 11, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Will this subdivision be served by municipal sanitary sewers? If not, please indicate the general acceptability of the site for septic tank-leach field system. (What is the depth to the seasonally high ground water table and percolation rate of the soils?)

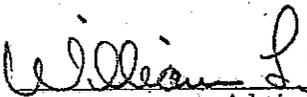
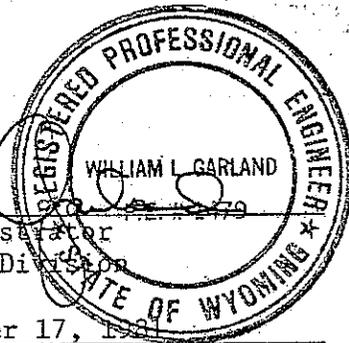
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

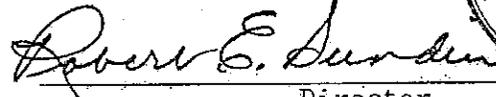
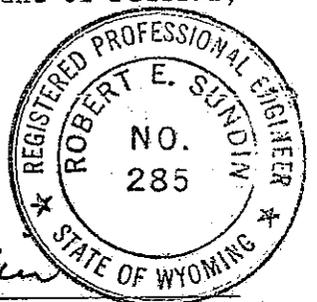
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

AUTHORIZED BY:


Adminisrator
Water Quality Division



Director
Dept. of Environmental Quality


September 17, 1981
Date of Issuance

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

xc: Gray C. Wangelin
P.O. Box 4075
Casper, WY 82604

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Costal Oil and Gas Corp. On-Site Disposal System

ARCHITECT OR ENGINEER: Gray C. Wangelin, P.E.
P.O. Box 4075
Casper, Wyoming 82604

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-492

REVIEWING ENGINEER: Dan H. Kimm, P.E. DK

DATE OF REVIEW: September 1, 1981

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

Leach Bed

- 1) In case that a leach bed is to be installed, a safety factor of 1.5 should be accounted for in the size determination. Our calculation indicates the minimum leach bed size should be 1075 ft² whereas your design called for only 900 ft². Please provide your design calculation.
- 2) A soil boring data for the proposed leach bed site is needed to verify the non-existence of groundwater and exact depth to the impervious layer. It should be noted that the bottom of the leach bed be located at least four feet above the impervious layer.

Septic Tank

- 1) Detail drawing of the septic tank should be provided, showing tees or baffles, access manholes, tank dimensions, etc.
- 2) Plan indicates that the tank shall be pumped once every six months. Where would be the ultimate septage disposal site?

*It is our understanding that the sewage to be treated by the proposed disposal system is strictly human wastes out of the workers' trailers. No oil substance or washdown water will be transmitted to this system.



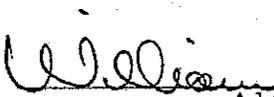
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

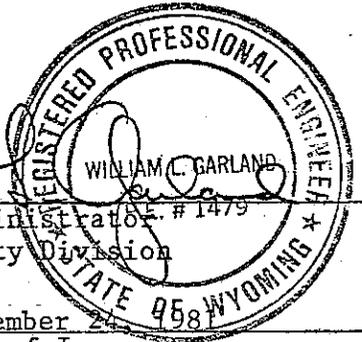
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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
Administrator # 1479
Water Quality Division
September 24, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

RR:nb
9/25/81

Cheyenne
Sw

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Roy Adams Park

ENGINEER: Tudor Engineering Company
450 South Federal Blvd.
Riverton, WY 82501

OWNER: Town of Granger
Box 42
Granger, WY 82934

WATER QUALITY DIVISION REFERENCE NUMBER: 81-493

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: September 9, 1981

ACTION: Not authorized.

COMMENTS: The following additional information is needed before a "Permit to Construct" can be issued.

1. The location of water lines to the residence, school and park house should be shown, if known. A note in the specifications or drawings should call for a 10-foot horizontal separation between water and sewer lines.
2. A six- or eight-inch sewer is needed to serve the school, depending on the anticipated wastewater flow, unless a four-inch line can be justified.
3. Manhole 2 RAP should be included in the profile drawing. (Invert and rim elevations)
4. The sewer line to the park should be shown in profile up to the existing manhole, and the size of the line justified.
5. Is the Conde building a single family residence? Will the old Conde building be served by the sewer?

RR:nb
9-10-81

AIC

9-2-01

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-494R

* AMOCO/BLM R.V. Campsite
(Name of Facility)

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

AMOCO Production Co.
PO Box 829
Evanston, WY 82930

to construct, install, or modify a water distribution and sewage collection system
for a temporary 66 unit R.V. Campsite

_____ facility according to the procedures and conditions of the
application No. 81-494R. The facility is located in _____
Sec. 12, T17N, R118W

_____ 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

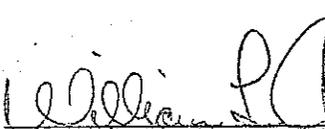
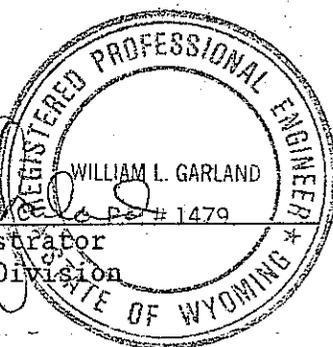
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

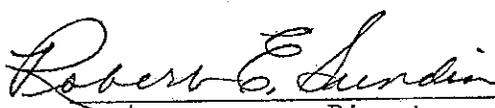
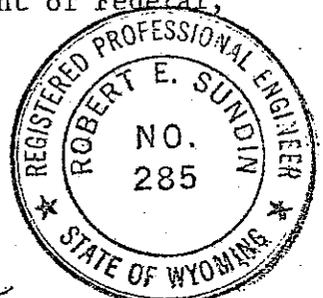
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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



Director
Dept. of Environmental Quality


August 18, 1981

Date of Issuance

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

* The campsite is to be closed during winter and is to be abandoned and the area reclaimed by August, 1982.

FL/ch
8/19/81

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: AMOCO/BLM R.V. Campsite

ENGINEER: Uinta Engineering & Surveying, Inc.
PO Box 746
Evanston, WY 82930
ATT: Ken Walker

OWNER: AMOCO Production Co.
PO Box 17675
Salt Lake City, UT 84117
ATT: Steve Ruehle

WATER QUALITY DIVISION REFERENCE NUMBER: 81-494

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge *FL*

DATE OF REVIEW: August 10, 1981

ACTION: Not authorized.

COMMENTS: The following points need to be resolved before a "Permit to Construct" can be issued:

1. The "Application for Permit to Construct" states the volume of wastewater will be 100,000 gpd. Please correct this.
2. The total Coliform count for the "New North Well-Whitney Canyon" is unsatisfactory. The well should be pumped and another sample taken.
3. As of this date I have not received a letter of acceptance from whomever is going to allow the sewage to be disposed of at their facility.
4. On the sewer line profile there are several places where the amount of cover does not agree with the rim and invert elevation.
5. The bottom of the sewage holding tank should be sloped to the drawoff point.

A.B.C

6. If you do not wish to provide complete water line profiles the following statement or equivalent must be placed on the drawings:

"The water line is to be installed on a uniform grade with _____ feet of cover."

A note is also needed stating the ground surface is level.

A water line profile is needed for those places where there is a water and sewer line crossing.

7. At what pressure is the water system to be operated?
8. The pump house needs adequate ventilation.
9. Pump specs and curves are needed.
10. A concrete floor should be provided in the pump house.
11. The pump house floor should be at least 6 inches above finished grade.
12. The pump house floor should slope to the drain.
13. What is the power source for the pumps?
14. An air break is needed at the water loading stations. Details of the air break are needed. Will water be drawn from both wells? If so an air break must be provided for each well.

Please submit the required information and revised drawings, in triplicate, to this office. This does not necessarily constitute the final review. If you have any questions, please call me at this office.

FL/ch
8/11/81

xc: ✓Cheyenne, DEQ/WQD

Cheyenne
SW

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Thomas McNelson Investments #1

ENGINEER: Johnson, Fermelia & Crank, Inc.
P.O. Box 1633
Rock Springs, WY 82901
Attn: Harry L. Moore

OWNER: Thomas McNelson, Investments
1304 Marchant
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 81-495

REVIEWING ENGINEER: Al Berreth *af*

DATE OF REVIEW: September 8, 1981

ACTION: Not authorized.

COMMENTS: Several items need some clarification before a "Permit to Construct" can be issued.

1. A letter is needed from the City of Rock Springs, which states they have the capacity to treat, and are willing to accept, the additional sewage resulting from this development.
2. According to "Ten-States Standards," a peaking factor of 3.37 must be used for a subdivision of this size.
3. The drawings need to be signed or stamped by an engineer registered in Wyoming.
4. It is recommended that 4.0 feet of cover be used as the minimum, in place of 3.0 feet.
5. "Ten-States Standards" provides that, "When a smaller sewer joins a large one, the invert of the larger sewer should be lowered sufficiently to maintain the same energy gradient. An approximate method is to place the 0.8 depth point of both sewers at the same elevations." Provision for this needs to be made where the 8-inch sewer joins the 12-inch sewer, and where the 12-inch sewer joins the 27-inch sewer.

A, B, C

Review of Plans and Specifications
Thomas McNelson Investments #1
Date of Review: September 8, 1981
Page 2

6. Please provide details of the railroad boring. Also, a letter from the railroad should be provided which authorizes this crossing.
7. Please detail or describe the connection to the existing sewerline.
8. When specifying PVC pipe on the plans, please also include ASTM and SDR numbers.
9. Please clarify what appear to be stubs of pipe extending away from manholes 36 + 00 and 5 + 00E.
10. In reference to the line which is preliminary, how much of it is preliminary -- just the one leg, or the entire system to the connection?

AB:nb

xc: Cheyenne DEQ/WQD
Rich Unger
File (4)

12-11-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-495R

Thomas McNelson Investments
(Name of Facility)

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

Thomas McNelson

1304 Marshant

Rock Springs, WY 82901

to construct, install, or modify a sewer system facility according to the procedures and conditions of the application No. 81-495R. The facility is located in Section 3 & 4, 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.

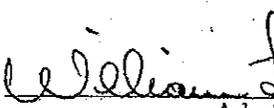
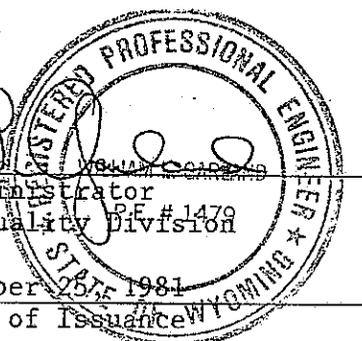
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

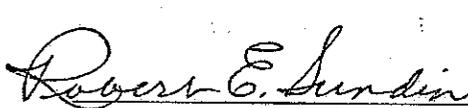
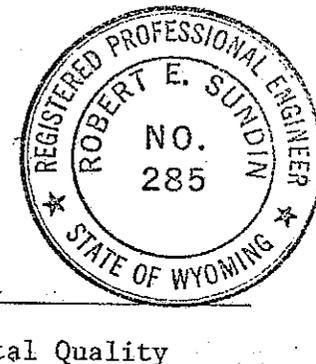
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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
PE # 1470
November 25, 1981
Date of Issuance



Director
Dept. of Environmental Quality


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

AB/nc

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 15, 1983

Mr. Dale Peterson
Rocky Mountain Engineering
and Surveying
P. O. Box 805
Evanston, WY 82930

RE: Willow Glen Commons Phase I
#81-496

Dear Mr. Peterson:

Per our phone conversation of April 14, 1983, we are withdrawing the referenced construction permit application. Enclosed are two of the three sets of drawings you originally submitted as we must keep one set for a record.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD
File (2)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

210 Lincoln

LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: WILLOW GLEN COMMONS PHASE I

ENGINEER: Rocky Mt. Eng. & Survey., Inc.
PO Box 805
Evanston, WY 82930

OWNER: Far West Const., Inc. of Fresno
PO Box 5085
Fresno, CA 93755

WATER QUALITY DIVISION REFERENCE NUMBER: 81-496R

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: March 1, 1982

ACTION: Not authorized.

COMMENTS:

We received a letter from the City of Evanston concerning the above referenced project on December 31, 1981. Cheyenne has expressed concern that we have not had correspondence since then.

As soon as we receive a response to our review letter of September 8, 1981, we can complete the review of this project and issue a permit.

AJB:ch

cc: Cheyenne DEQ/WQD
File (4)
Wayne Shepherd

*Cheyenne
Winta*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Willow Glen Commons Phase I

ENGINEER: Rocky Mountain Engineering & Surveying, Inc.
P.O. Box 805
Evanston, WY 82930

OWNER: Far West Construction, Inc. of Fresno
P.O. Box 5085
Fresno, CA 93755

WATER QUALITY DIVISION REFERENCE NUMBER: 81-496

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: September 8, 1981

ACTION: Not authorized.

COMMENTS: Before a permit to construct can be issued, the following items must be addressed:

1. The SDR number of the sewer line needs to be specified on the drawings.
2. Water storage capacity must be addressed.
3. Capacity of the Grass Valley lift station must be addressed.
4. The blowoff valve detail does not appear compatible with Evanston City standards.
5. Are sewer and water services to be extended to each lot?
6. The static water pressure is excessive and needs to be reduced.
7. The details and/or methods of connecting to the existing water and sewer must be shown or described.
8. Water/sewer line crossings needs to be shown on the sewer line profile.
9. The existing water line which is to supply water to the subdivision must be shown. The 10-inch supply line was not in the submittal. This must have been inadvertently left out. The Phase I Schematic shows 3400 feet of 8-inch water line, yet the narrative calls for 10-inch water line.

A1, B, C

Review of Plans and Specifications
Willow Glen Commons Phase I, DEQ #81-496
Date of Review - September 8, 1981
Page 2

10. Please address sewer line capability in relation to expected maximum flow.

11. A letter of acceptance is needed from the City of Evanston. Their review comments, in addition to ours, must be addressed.

AB:nb

9-10-81

cc: Wayne Shepard

Cheyenne DEQ/WQD

File (4)

10-13-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-497R

CITY OF EVANSTON 10" WATER LINE

(Name of Facility)

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

City of Evanston

P.O. Box 130

Evanston, WY 82930

to construct, install, or modify a _____

water line extension

_____ facility according to the procedures and conditions of the

application No. 81-497R. The facility is located in _____

Sec. 16 & 21, T. 15N, R. 120W

_____ in the County of Uinta,

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

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.

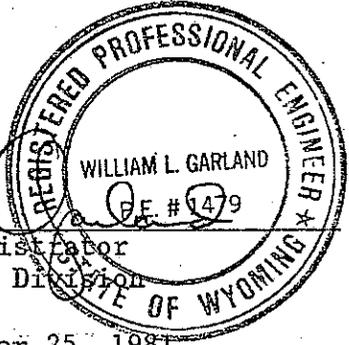
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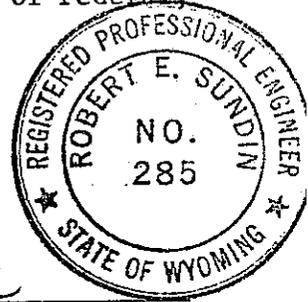
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

William L. Garland
Administator
Water Quality Division
STATE OF WYOMING



Robert E. Sordin
Director
Dept. of Environmental Quality



September 25, 1981
Date of Issuance

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

AB:nb
9/28/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: City of Evanston - 10" Waterline

ENGINEER: Rocky Mt. Eng. & Surveying, Inc
PO Box 805
Evanston, WY 82930
ATT: Dale E. Peterson

OWNER: City of Evanston
PO Box 130
Evanston, WY 82930
ATT: Wayne Shepherd

WATER QUALITY DIVISION REFERENCE NUMBER: 81-497

REVIEWING ENGINEER: Al Berreth

DATE OF REVIEW: August 26, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct" can be issued the following points need to be addressed:

1. Information is needed on the projected flows expected in this waterline. Please include information on projected housing and water sources.
2. Details are needed for the railroad highway crossing. What is the thickness requirement on the steel casing? The C-201 ASTM designation could not be found. Is this an AWWA specification? If so, please reference an ASTM specification.
3. The construction methods on page 5 do not agree with the description.
4. Please get a letter from the railroad which approves the crossing.
5. Few valves have been used. Please justify this.
6. Some type of air relief seems to be needed at MH3 and Station 50+32.5.
7. What about scour in the stream at higher flows? Is some type of anchoring required on the line? Please explain.

8. Is existing air relief available at station 8+38.85? Please show.
9. Ductile from waterline requires coatings per AWWA as outline in the WPSS.
Please note this on the drawing.
10. Does the City Engineer have comments?

AB/ch
8/26/81

xc: Cheyenne, DEQ/WQD
Wayne Shepherd - Evanston
File (4)

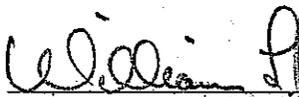
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

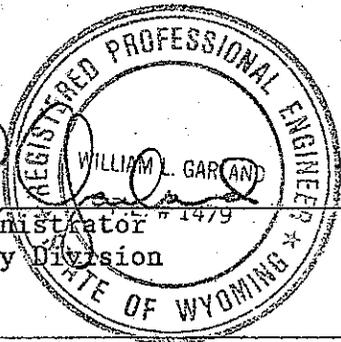
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

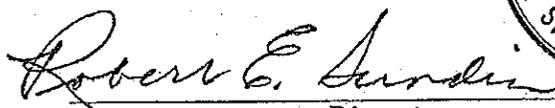
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

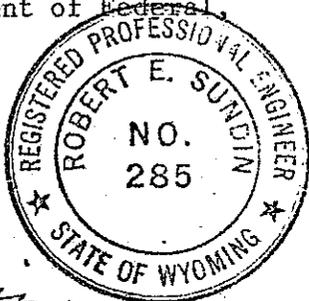


Administrator # 1479
Water Quality Division
August 14, 1981
Date of Issuance





Director
Dept. of Environmental Quality



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

FL/ch
8/14/81

Choy



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 16, 1981

Mr. Steve Reiber
Eckhoff, Watson and Preator
1798 S. West Temple
Salt Lake City, Utah 84115

Re: Amendment of Construction Permit
81-498R, Change Order No. 1

Dear Mr. Reiber:

From the information provided, in your November 10, 1981 letter, it appears that the four inch service line meets minimum design standards as installed. Technically a permit is not required for this type of installation but we are entering your letter into the file, as Change Order #1, for the record.

If you have any comments, please contact me.

Yours truly,

Francis LaBarge
Water Quality Evaluator
Southwest District

FL/dl
cc: Cheyenne DEQ/WQD
File (3)

FWD

Chg.
Archives

November 10, 1981

File w/ Plans
11/15/81
JJ



Mr. Frank LaBarge
Wyoming Department of Env. Quality
Water Quality Division
Lander, Wyoming 82520

Re: Amendments to Construction Permit,
Reference No. 81-498

Dear Frank:

This letter is to confirm our telephone conversation of last week.

A minor addition has been made to the previously permitted wastewater collection facilities at the AMOCO Anschutz East gas stabilization plant. This addition consists of 4-inch diameter lateral connection that is being installed to service a control building not shown on the earlier plot plans.

The length of the lateral service line is approximately 380 ft. and it is being laid at a 1.5% grade. The building being serviced by the lateral will contain a single washroom and toilet facility that will be used by a single operator each work shift. The service line has been installed in accordance with Wyoming construction codes.

Thank you for your advice on permitting this addition. We would appreciate it if you would enter this letter into the existing Anschutz file.

Sincerely,

ECKHOFF, WATSON AND PREATOR ENGINEERING



Steve Reiber
Engineer

P.S. I will be forwarding to you shortly the permit application concerning the additional sewer lines from the Nitrogen plant and the public water supply.

cc: Ray Hofner, AMOCO Prod. Co.



Review of plans and specifications

AMOCO

DEQ #81-498

August 7, 1981

Page 2

Please submit the required information and revised drawings, in triplicate, to this office. This does not necessarily constitute the final review. If you have any questions, please call me.

FL/ch

8/12/81

xc: ✓ Cheyenne - DEQ/WQD
File

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: AMOCO - Anschutz East Ranch Wastewater Collection and Treatment System

ENGINEER: Eckhoff, Watson and Preator
1798 South West Temple
Salt Lake City, UT 84115
ATT: Ken Watson

OWNER: AMOCO Production Co.
PO Box 17675
Salt Lake City, UT 84117
ATT: Martin Zimmerman

WATER QUALITY DIVISION REFERENCE NUMBER: 81-498

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge 

DATE OF REVIEW: August 7, 1981

ACTION: Not authorized.

COMMENTS: The following points need to be resolved before a "Permit to Construct" can be issued:

1. The drawings do not show any type of access into the lift station (i.e. steps or landings).
2. The lift station needs to be ventilated. Refer to the Ten State Standards for requirements.
3. What type of overflow prevention method is to be used?
4. A minimum velocity of 2 fps is required in the force main. Please verify this.
5. Is any part of the proposed facility in a flood plain?
6. Construction and material specs are needed for the sludge drying bed and clay liner.
7. It is recommended that a railing be placed around any uncovered tanks in the Ecolo-Chief Treatment Unit.

A.C

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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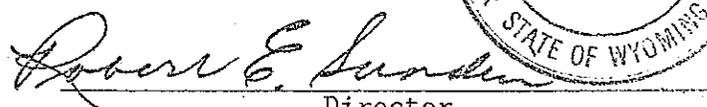
AUTHORIZED BY:



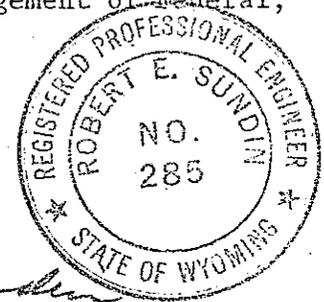
Administrator
Water Quality Division PE # 1479
June 1, 1982

Date of Issuance





Director
Dept. of Environmental Quality



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

*NOHMA
Campbell*

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Rochelle Mine Sewage Treatment Lagoon

ARCHITECT OR ENGINEER: Curtis Belden, P.E.
Peabody Coal Company
12015 E. 46th Avenue, Suite 600
Denver, Colorado 80239

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-499

REVIEWING ENGINEER: Dan H. Kimm, P.E.

DATE OF REVIEW: September 9, 1981

ACTION: Not Authorized for Construction (see the comments)

SEP 1981
RECEIVED
WATER QUALITY
DIVISION
WYOMING

COMMENTS:

1. Complete soil boring data, identifying soil profiles, types of soil, ground-water table, impervious layer, etc., at the proposed lagoon site are needed.
2. While conducting soil boring test, groundwater sample should be collected and analyzed according to the Water Quality Chapter VIII Regulations. This data is needed to identify the groundwater classification and to determine if the intermingle of the 2nd cell leachate with the underlying groundwater is environmentally acceptable.
3. In order to maximize the treatability of wastewater at the 1st cell, inlet and outlet pipes should be so located as to minimize short-circuiting. Pipe arrangement as proposed does pose a possibility of short-circuiting. Please discuss.
4. Inlet pipe should discharge into a saucer-shaped concrete apron to dissipate velocity head.
5. Profile of sewer line should be provided, showing invert elevations, manholes, slope of the pipe, etc. The manhole to be installed prior to entrance of the influent line should be located as close to the dike as topography permits with its invert located at least six inches above the maximum operating level of the 1st pond.
6. Details of the impervious liner installation for the primary cell are needed, including manufacturer's information on material and installation procedures, preparation of the pond bottom, inspection requirements, etc.
7. Complete specification for the dike and sewer pipe installation should be provided. This should include dike construction, compaction detail, seeding, sewer line installation and its material, trench backfill, testing requirements, etc.

FM: DICK LENDOX

NORMA

8-10-81

TO: FILES

SUBJ: ROCHELLE MINE, ROCHELLE COAL Co.
(81-499)

1. NO INDICATION OF QUALITY OF EFFLUENT THAT WILL BE PERCOLATING FROM POND #2 - POND #1 & POND #2. DESIGN INDICATES POTENTIAL FOR SHORT CIRCUITING THEREBY HAVING RAW SEWAGE IN POND #2. NEED TO KNOW RETENTION TIME FOR POND #1 WITH QUALITY DATA.
2. NOT CLEAR WHERE GROUND WATER IS NOR ANY INFORMATION CONCERNING QUALITY OF GROUNDWATER.
3. EVEN THOUGH ROCHELLE MINE IS NOT USING SHALLOW GROUND WATER. NO INDICATION AS TO WHETHER OR NOT ANYONE ELSE IS USING IT OR COULD USE IT.

CALLED T. MEUSER WITH COMMENTS 8-10-81

HE CONCURSED WITH #1, ESPECIALLY - HE ALSO ASKED THAT WE (WQD CHEYENNE) DEFINE JUST WHAT GROUNDWATER DATA WE NEED APPLICANTS TO PROVIDE.

Returned to
Shindler
8-11-81

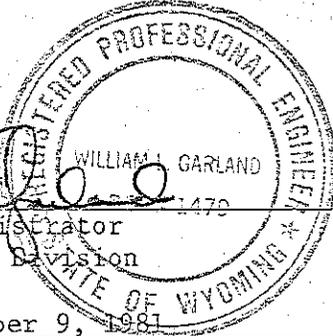
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

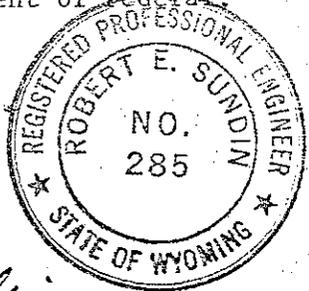
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AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Dept. of Environmental Quality

September 9, 1981
Date of Issuance

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