



Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

February 10, 1984

Ashley National Forest
Ashton Energy Center, Suite 1150
1680 W. Highway 40
Vernal, UT 84078
ATTN: James Craig

Re: "As Built" Buckboard Crossing Sewage Lagoon
DEQ/WQD No. 83-651R

Gentlemen:

The above referenced plans and specifications have been reviewed, and they appear to meet the minimum design standards for the State of Wyoming. A "Permit to Construct" cannot be issued owing to the fact that the facility has already been built.

Please retain this letter as verification that the facility has been accepted by the Wyoming Department of Environmental Quality. Note that this acceptance pertains only to Cell No. 1 of the sewage system.

In the future, a "Permit to Construct" install or modify must be obtained for any wastewater and public water facilities in the State of Wyoming. If you have any questions please feel free to contact me.

Your cooperation has been appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Jack Bedessem".

Jack Bedessem
Area III Supervisor

JB:mpm

cc: Cheyenne DEQ/WQD
Kenneth Lesh
Tom Watson
U.S. Forest Service
File (5)

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Buckboard Crossing Sewage Lagoon

ENGINEER: Kenneth D. Lesh
U. S. Forest Service
1680 W. Highway 40
Vernal, UT 84078

OWNER: U.S. Forest Service
Federal Office Building
Ogden, UT 84401

WATER QUALITY DIVISION REFERENCE NUMBER: 83-651 "As Built"

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: December 22, 1983

ACTION: Authorization Pending

COMMENTS: An initial review of the above referenced facility has been completed. Before acceptance of the facility can be issued the following items need to be addressed:

1. Information is needed as to the wastewater flow rates, rate of evaporation, rate of precipitation, etc. A water balance should be included.
2. Information is needed as to the depth of the shallowest groundwater.
3. Information is needed as to all water wells within 1/2 mile of the lagoon. Include depth and status of wells.
4. Address whether Cell No. 1 will ever discharge. Address the status and use of Cells No. 2 and No. 3. Are Cells 2 and 3 to be included in this permit application?
5. Address the function of the water running into the sewage splitter manhole on the northeast corner of Cell No. 1. Provide a detail if cross connection is possible.
6. Address the wastewater treatment facilities at Firehole Campground (description, date of construction). If this facility was constructed or has been modified since 1973, authorization of this facility should also be obtained.

12-1-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-652

Pioneer Water & Sewer District - Phase IV
(Name of Facility)

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

Pioneer Water & Sewer District
P.O. Box 1588
Mills, WY 82644

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 83-652. The facility is located in Sections 2 & 3, T33N, R81W, Sections 15, 22, 23, 24, 25, 26, 27, & 35, T34N, R80W, Sections 31, T34N, R80W, & Sections 5, 6, 7, & 8, T33N, R86W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

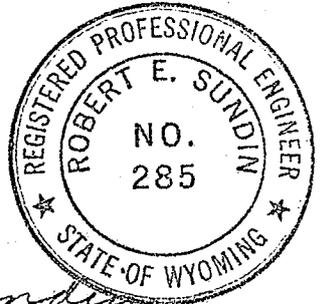
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

AUTHORIZED BY:



William J. Garland

WILLIAM J. GARLAND
Administrator
Water Quality Division
#1479
November 17, 1988
Date of Issuance

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM J. GARLAND" and the number "NO. 1479".

Robert E. Sundin

Director
Dept. of Environmental Quality

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

cc: Eugene Calvert
Russell L. Donley & Assoc.
240 South Wolcott, Suite 202
Casper, WY 82601

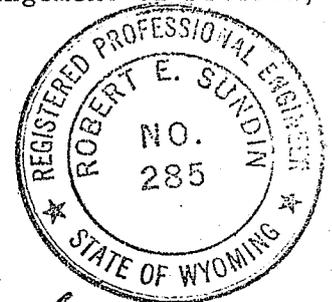
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

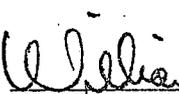
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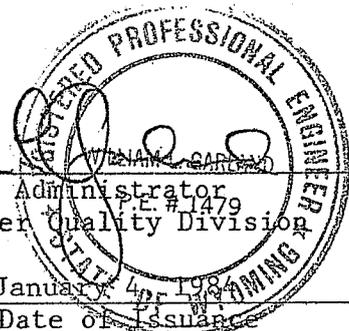
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AUTHORIZED BY:





William Gardner
Administrator
Water Quality Division
P.E. # 1479

January 4, 1988
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality

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

CONDITIONS

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

Ralph Rock
Campbell County Engineer's Office
500 South Gillette Avenue
Gillette, Wyoming 82716
(682-1970)

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 Gillette Non-metro Step I Wastewater Facility 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 Facility Plan.

xc: Mike McDill
Ralph Rock, w/copy of drawings

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Terry's Used Furniture

Terry Masteller
406 Juniper Street
Gillette, Wyoming 82716

ARCHITECT OR ENGINEER: Michael G. McDill
400 West Boxelder Road
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-653

REVIEWING ENGINEER: Tom Mueller *T.M.*

DATE OF REVIEW: December 6, 1983

ACTION: Not Authorized for Construction

COMMENTS:

1. The proposed facility is within the proposed service area identified in the Gillette Non-Metro Municipal Wastewater Treatment (201) Facilities Plan. For this reason, it should be served by the Gillette municipal sewer system. This matter has been discussed with Mr. Jeff Smith, Gillette City Engineer, and he has advised:

- a) The property in question has been annexed into Gillette, and an Agreement executed, which provides for future sewer service at this location;
- b) There is currently no sewer which can serve this property; no sewer, in fact, within approximately $\frac{1}{2}$ mile; no sewer proposed in this area in the near future; and
- c) It would be obviously uneconomical for the applicant to provide a sewer just for this location.

Therefore, a Permit to Construct can be issued. Please forward a copy of the above-mentioned Agreement with the City of Gillette, so that its provisions, where appropriate, may be incorporated as conditions of the Permit to Construct.

2. The construction drawings are being returned in order that they may be signed by the design engineer.

xc: Larry Robinson, WQD
Mike McDill, McDill Engineering, w/drawings
Jeff Smith, Gillette City Engineer

83-654



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

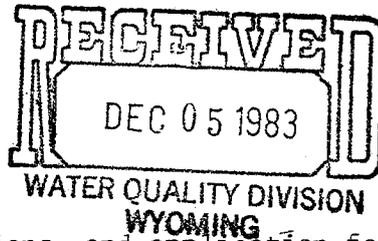
2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

December 2, 1983

Mr. Robert A. Rothermel
Alliance of Architects and Engineers
P.O. Box 6161
Gillette, Wyoming 82716



Dear Bob:

This is in response to your letter, specifications, and application for Permit to Construct for the Antelope Valley Well No. 3, dated November 15, 1983. This Division will not prepare a Permit to Construct at this time, since 1) the drilling of wells is regulated by the State Engineer's Office and 2) no information regarding the hookup to the Public Water Supply and ancillary facilities is provided.

However, I have examined the materials you forwarded and they meet with the minimum requirements of this agency. The well should be considered approved, and need not be included in future Applications to Construct.

Thank you for the opportunity to make this review at this time. Please contact me if you have further questions.

Yours truly,

Tom Mueller

Tom Mueller
District Supervisor

TM:ls

xc: Norma Coulson

No permit required

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

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

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division
P.E. # 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
January 1984
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.

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.

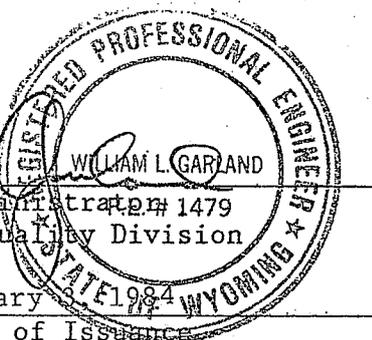
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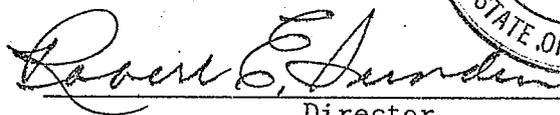
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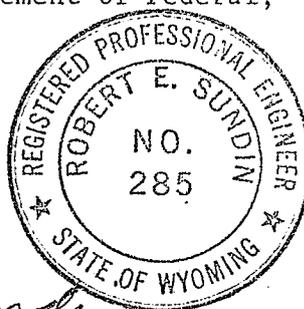
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AUTHORIZED BY:


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




Director
Dept. of Environmental Quality



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

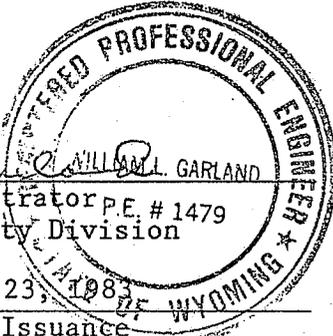
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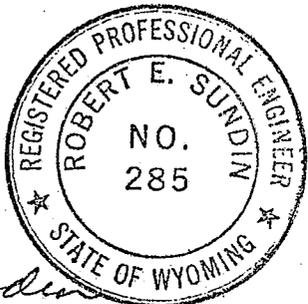
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AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division
November 23, 1983
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

xc: Buell Winter Mousel & Associates
123 W. First St., Suite C-70-37
Casper, Wyoming 82601

1-19-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-658R

GILLETTE - CAMPBELL COUNTY AIRPORT WATER SYSTEM
(Name of Facility)

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

Campbell County Airport Board
c/o Banner Associates, Inc.
P.O. Box 550
Laramie, Wyoming 82070

to construct, install, or modify a public water supply including treatment facilities, storage reservoir, pumping station and distribution mains

facility according to the procedures and conditions of the application No. 83-658R. The facility is located in

Section 32, T.51N., R.72W.

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

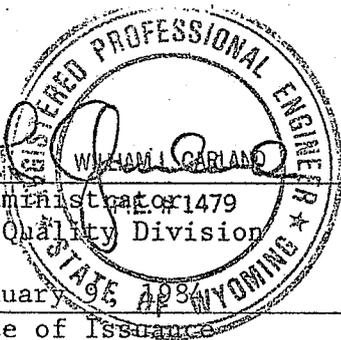
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

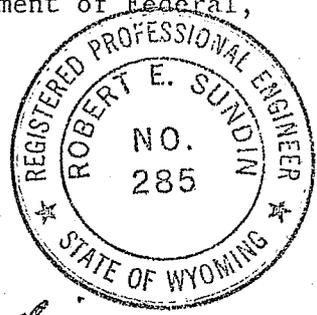
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer, William Garland, State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "WILLIAM GARLAND", and "STATE OF WYOMING".
William Garland

Administrator 1479
Water Quality Division
January 1984

Date of Issuance

A circular seal for a Registered Professional Engineer, Robert E. Sundin, State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "ROBERT E. SUNDIN", "NO. 285", and "STATE OF WYOMING".
Robert E. Sundin

Director
Dept. of Environmental Quality

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

6-15-84

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 13, 1984

Robert L. Born, Owner
Bunkhouse Bar
P.O. Box 10040
Cheyenne, WY 82003

RE: Notice of Violation - Docket Number 1264-83 - Construction Permit No. 83-659R, Bunkhouse Bar, Laramie County

Dear Mr. Born:

We have received notification from Gus Lopez, City-County Health Unit, that your septic tank-soil absorption system has been completed in accordance with construction permit number 83-659R.

Since this project has been completed, we are hereby terminating the Notice of Violation issued to you on July 18, 1983.

If you have any questions about this, please feel free to contact Ted Coyer at 777-7781.

Sincerely,

William L. Garland
Administrator

WLG/TC/nc

cc: City-County Health Unit
1710 Snyder Ave.
Cheyenne, WY 82001

12-5-83



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

December 1, 1983

CERTIFIED

Robert L. Born, Owner
Bunkhouse Bar
P.O. Box 10040
Cheyenne, WY 82003

RE: Notice of Violation - Docket Number 1264-83
Construction Permit No. 83-659R
Bunkhouse Bar, Laramie County

Dear Mr. Born:

Enclosed you will find a permit to construct a subsurface sewage treatment and disposal system for the Bunkhouse Bar. Please note that the permit has been issued for only 30 days. Also, you should be aware that the issuance of the construction permit does not terminate the Notice of Violation issued to you on July 18, 1983.

Construction Permit No. 83-659R was issued for only 30 days because of the violation notice. We expect the facility to be constructed within that time period.

If you have any questions about this, please feel free to contact me or Mr. Coyer at 777-7781

Sincerely,

William L. Garland
Administrator

WLG/TC/nc

cc: Laramie County Environmental Health

PERMIT TO CONSTRUCT

Permit No. 83-659R
SEE SPECIAL CONDITION

- New
- Renewal
- Modified

Bunkhouse Bar
(Name of Facility)

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

Robert L. Born

P.O. Box 10040

Cheyenne, WY 82003

to construct, install, or modify a subsurface sewage treatment and disposal facility according to the procedures and conditions of the application No. 83-659R. The facility is located in Section 23, T14N, R69W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of 30 days (five (5) years maximum) from the date of issuance of this permit.

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

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

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

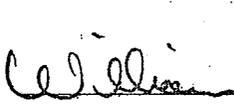
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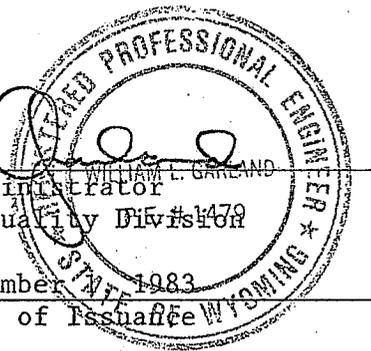
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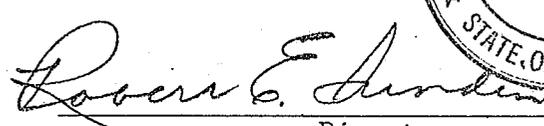
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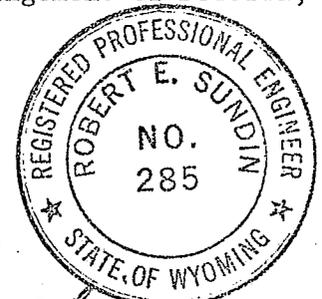
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division #1479
December 1983
Date of Issuance




ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



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

Condition to Permit to Construct

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

Don Pack
Laramie County Environmental Health
1710 Snyder Avenue
Cheyenne, WY 82001
Telephone: 638-8545

cc: Henry F. Sostrom
AVI P.C.
7300 Yellowstone Rd.
Cheyenne, WY 82009

Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

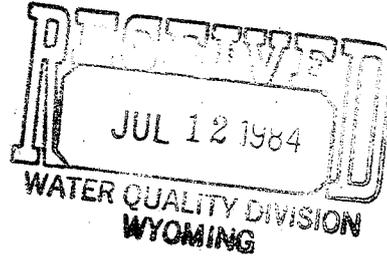
Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

July 10, 1984



Mr. Bill Mentock
Engineering Inc. of Wyoming
45 East Loucks
Sheridan, Wyoming 82801

RE: Moore Mobile Home Park
WQD Reference No. 83-660

Dear Bill:

Since the Moore Mobile Home Park no longer exists, and a permit to construct is unnecessary, the application is considered withdrawn and is being returned to you.

Yours truly,

Tom Mueller

Tom Mueller
District Supervisor

ls

Enclosure

xc: Norma Coulson, WQD Cheyenne

*Department of Environmental Quality**Water Quality Division*2161 COFFEEN AVENUE,
SUITE 301

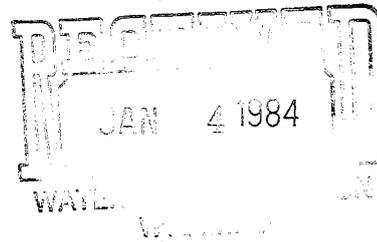
SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

83-660

January 3, 1984

Mr. Bill Mentock
Engineering Inc. of Wyoming
45 East Loucks, Suite 301
Sheridan, Wyoming 82801



Dear Bill:

I have reviewed the drawing you submitted on behalf of Mr. Kent Moore on December 1, 1983, for approval of the sewage facilities at the Moore Mobile Home Park. This Division cannot issue any Permit for these facilities since they have been constructed for a considerable period of time. Furthermore, there is insufficient information presented on the drawings to determine that the facilities meet the Division's minimum requirements.

In order to make such a determination, the following information would be needed:

- 1) Average percolation rates derived from percolation tests taken at a frequency of one test per 100 feet of leach line.
- 2) Depth to the highest possible groundwater level along the leach lines.
- 3) Number of bedrooms in the mobile homes.
- 4) Width and depth of the disposal trenches.

If you have any questions on this, please feel free to contact me.

Yours truly,

Tom Mueller

Tom Mueller
District Supervisor

TM:ls

xc: Norma Coulson, WQD Cheyenne
Joe Hollingsworth, County Engineer
Kent Moore, 2380 Big Horn Ave., Sheridan, WY
Jake Strohman, WQD Cheyenne

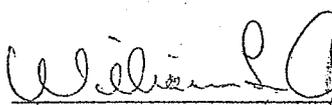
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator, E. # 1479
Water Quality Division
STATE OF WYOMING
REGISTERED PROFESSIONAL ENGINEER
January 3, 1984
Date of Issuance


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

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

* CONDITIONS OF PERMIT *

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

Albert Emden
Sweetwater County Sanitation
205 E. Railroad
Green River, WY 82935
307-875-2115
2. The intent of the construction authorized by this permit is to provide wastewater treatment and disposal to a temporary (3 to 4 months) mancamp and drilling site. The construction of this undersized leachfield is authorized with the condition that if problems arise, this Department will be notified immediately and the system upgraded.
3. Upon abandoning the site, the system will be salvaged and the appropriate DEQ/WQD office notified.

JB:mpm

cc: Walt George- BLM Rawlins

83-661

CELSIUS ENERGY COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82901 • PHONE (307) 382-9791

January 9, 1984

Jack Bedessen
Department of Environmental Quality
165 East Railroad Avenue
Green River, Wyoming 82935

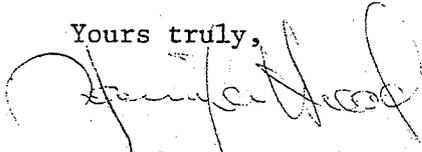
Dear Jack:

Please cancel Permit No. 83-661R for the Cedar Breaks Federal Well No. 6-1 Wastewater Facility. We have determined that our needs can be better met through waste haulage and as such hereby submit a new application (attached) for facilities at this well.

In addition, this letter serves as notice that the camp and wastewater facilities for the Dripping Rock Unit Well No. 1 (No. 83-641) were removed January 6, 1984. These same facilities will be installed on the Cedar Breaks location.

If any problems arise, please let me know.

Yours truly,



Jennifer A. Head
Staff Property Agent

JAH/cjf
Attachment

carried under 84-15
RECEIVED
JAN 11 1984
WATER QUALITY DIVISION
WYOMING
83-661R

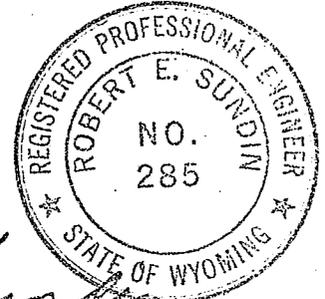
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

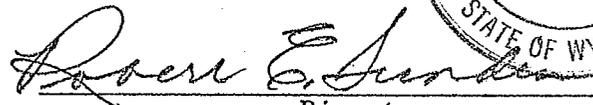
AUTHORIZED BY:





WILLIAM L. GARLAND
Administrator
Water Quality Division
January 3, 1984

Date of Issuance



Director
Dept. of Environmental Quality

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

JB:mpm

cc: Kevin D. Jones
Carlton, Carlton & associates, Inc.
748 Lombard Street
Evanston, WY 82930

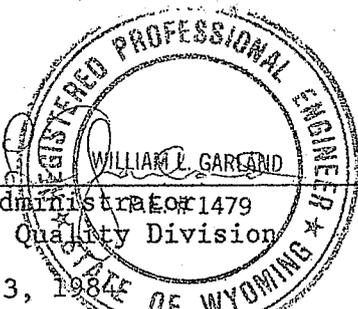
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

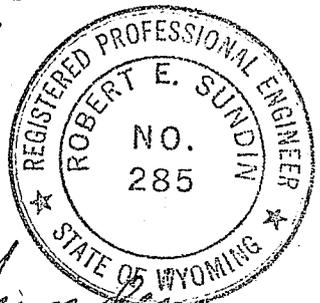
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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AUTHORIZED BY:


William L. Garland
WILLIAM L. GARLAND
Administrator No. 1479
Water Quality Division
January 3, 1984
Date of Issuance


Robert E. Sunden
Director
Dept. of Environmental Quality

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

JB:mpm

cc: Robert B. Stannard
Tudor Engineering
450 S. Federal Blvd.
Riverton, WY 82501

1-4-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-664

Allendale Water & Sewer District Water Distribution System Improvements
(Name of Facility)

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

Allendale Water & Sewer District
c/o Casper Board of Public Utilities
200 North David
Casper, WY 82601

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 83-664. The facility is located in Sections 15 & 22, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

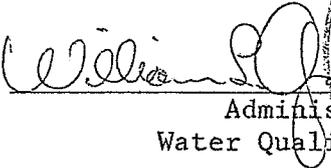
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

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

AUTHORIZED BY:


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


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

December 23, 1983
Date of Issuance

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

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

1-11-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-665R
SEE SPECIAL CONDITIONS

Casper Country Club - Tennis Court Locker Building
(Name of Facility)

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

Casper Country Club

P.O. Box 796

Casper, WY 82602

to construct, install, or modify a subsurface sewage treatment and disposal facility according to the procedures and conditions of the application No. 83-665R. The facility is located in Section 24, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

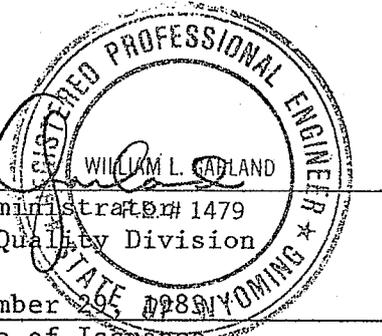
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

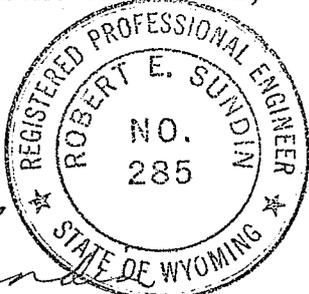
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division

December 29, 1988
Date of Issuance


ROBERT E. SUNDIN
Director
Dept. of Environmental Quality


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

Conditions to Permit to Construct

1. The 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 Mills-Evansville-Casper Wastewater Treatment 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 Facility Plan.
2. The permittee shall notify representatives of the Natrona County Health Department of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Nix Anderson, Natrona County Health Dept., 1200 East 3rd, Casper, WY 82601-2990
Telephone: 235-9316

cc: Ed S. Rate, Jr., Western Construction, Inc., P.O. Box 930, Casper, WY 82602
Devault-Morton Plumbing, Inc., 7075 Salt Cr. Rt. Box 7, Casper, WY 82601

Review of Plans and Specifications

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

PROJECT: Casper Country Club, Tennis Court Locker Bldg., Natrona Co.

ARCHITECT OR ENGINEER: Ed S. Rate, Jr., Western Construction Inc.
P.O. Box 930, Casper, WY 82602

APPLICANT: Devault-Morton Plumbing, Inc.
7075 Salt Creek Rt. Box 7, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 83-665

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

DATE OF REVIEW: December 7, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The application must be signed by the owner of this proposed facility.
2. Because this facility is located within the Casper Regional Wastewater System service area, an evaluation of its cost effectiveness as compared to connecting to the Casper system must be submitted. Also, you should contact David Engels, Chairman of the Management Oversight Committee, for the committee's concurrence to either require immediate connection to Casper's sewers or allow the installation of the septic tank-soil absorption as an interim treatment and disposal system.

cc: David Engels, Chairman, Management Oversight Committee,
Casper Regional Wastewater System, c/o Casper Board of Public Utilities,
200 No. David, Casper, WY 82601
Larry Robinson
LeRoy Feusner
Thomas Norman



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 16, 1984

The Land Group
524 South 600 East
Salt Lake City, Utah 84102

Attention: Frank R. Leibrock, P.E.

RE: Big Horn Commercial Center
#83-666RR

Dear Mr. Leibrock:

Thank you for submitting the television inspection report of the sanitary sewer that was constructed to serve the Big Horn Commercial Center in Lovell, Wyoming.

As you noted, Environmental Service Associates found that the deflection in all sections of pipe was less than 5%, thereby meeting the standards.

The report also showed that between manholes 3 and 4, there was a 3 inch dip in the line. I would like to point out that a 3 inch deviation from grade in a pipeline designed with a 0.4% slope could be the source of future maintenance problems. Since the pipeline does not have much cover, there could be a freezing problem as well as a problem of solids buildup in the low spot.

A Permit to Construct can't be issued for this project since it has already been constructed. However, this letter is written as authorization of the as built construction. Please be advised that any future construction or modification of the water or sewer system must be permitted through this office prior to beginning construction.

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

Respectfully,

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

Jeff Hermansky
Water Quality Evaluator

JH:dcn

xc: Jake Strohman, DEQ/WQD Cheyenne
Bob Richardson, Town of Lovell
Plans #83-666RR
File

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

210 LINCOLN

LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED # 399 969 648

PROJECT: Big Horn Commercial Center

ENGINEER: Frank Leibrock, P.E.
c/o The Land Group
205 West 700 South, Suite 304
Salt Lake City, UT 84101

OWNER: Landpak Partnership

WATER QUALITY DIVISION REFERENCE NUMBER: #83-666R

REVIEWING EVALUATOR: Jeff C. Hermansky *JCH*

DATE OF REVIEW: February 17, 1984

ACTION: Not authorized.

COMMENTS: Thank you for your response to my review letter. I have the following questions and comments as a result of my review.

1. The specifications and bid schedule list the sanitary sewer as reinforced concrete pipe. During my visit to the site on August 24, 1983, I found PVC pipe installed. Your "as built" specifications are not accurate.
2. Why have you included specifications of water lines? Have any water lines other than those permitted under DEQ #83-470R been constructed?

You must respond to this letter within 30 days of receipt. Furthermore, you must conduct the deflection testing by May 1, 1984.

In your response letter, please include your schedule for the deflection testing.

There will be no further extentions on any of the time limits listed in this letter. Failure to respond as requested will result in my initiating legal action against the owners through the Wyoming Attorney General's office. Any request for legal action will include a recommendation that a fine be levied against the owners.

JH:dcn

ABC

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Big Horn Commercial Center

ENGINEER: Frank Leibrock, P.E.
c/o The Land Group
205 West 700 South, Suite 304
Salt Lake City, Utah 84101

OWNER: Landpak Partnership

WATER QUALITY DIVISION REFERENCE NUMBER: #83-666

REVIEWING ENGINEER: *Jeff* Jeff Hermansky and Ed Baruth *Ed*

DATE OF REVIEW: December 19, 1983

ACTION: **Not authorized.**

COMMENTS: Thank you for submitting "as built" plans for the Big Horn Commercial Center. My review of the plans has brought forth some questions and comments that need to be addressed before a letter of authorization of the "as built" can be issued:

1. All applications must include 3 copies of all plans and specifications. Please send the required number when responding to this review.
2. Please complete the enclosed application form. Write "as built" in the space for signature of applicant.
3. All construction materials and methods must be specified. If standard specification was used for construction, it must be referenced.
4. Are the 4" and 6" water lines shown on page 2 constructed? If not, a Permit to Construct should be applied for under a separate submittal. The current submittal applies only to what has already been constructed.
5. Your deflection calculations show that the sewer pipe installation should meet the deflection requirements. However, our review standards require the following deflection criteria be met:
 - a) Deflection tests shall be performed on all flexible pipe. The test shall be conducted after the final backfill has been in place at least 30 days.
 - b) No pipe shall exceed a deflection of 5%. (Therefore, the mandrel must be 7.60 inches.)
 - c) If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the inside diameter of the pipe. The test shall be performed without mechanical pulling devices.

ABC

Review of Plans and Specifications

Big Horn Commercial Center #83-666

December 19, 1983

Page Two

6. Is MH B-1 part of a trailer sanitary dump station? If so, details of the dump station must be shown.
7. What are the vertical separation distances between the sewer main and the water lines that cross underneath?
8. How long are the "lengths" of ductile iron pipe that are installed where the water lines cross the sewer main?
9. As a matter of record, two feet of cover for a sewer line is less than we would like to see. The flat slope, lack of cover, and periods of low flow could result in greater than normal cleaning requirements and possible freezing problems.

Since these plans are "as built", we must ask you to respond to the review letter within 30 days of receipt of this letter.

Please feel free to contact us if you have questions.

JH/EB:dcn

Review of Plans and Specifications

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

PROJECT: Pine Bluffs Sewage Treatment Lagoon Expansion, Laramie Co.

ARCHITECT OR ENGINEER: J. Kenneth Kennedy, Kennedy Engineering
P.O. Box 1089, Wheatland, WY 82201

APPLICANT: Town of Pine Bluffs
P.O. Box 387, Pine Bluffs, WY 82082

WATER QUALITY DIVISION REFERENCE NUMBER: 83-667

REVIEWING ENGINEER: Theodore D. Coyer, P.E. and *Theodore D. Coyer*
Art Wright, Groundwater Quality Specialist *Art Wright*

DATE OF REVIEW: January 23, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

A. General Considerations

1. The detention time in the lagoons will be too short for a facultative lagoon. A minimum detention time of 120 days should be provided. I do not believe the effluent from this system will meet the discharge requirements.
2. The arrangement of the lagoon inlets and outlets may provide short circuiting of the lagoons.
3. Additional details of the lagoon are needed. Please indicate the top and toe of the dikes. What is the width of the top of the dikes?
4. A portion of the lagoon will be located in an area with high groundwater. Some means to dewater the area, so that the lagoon can be drained for future maintenance, must be provided.
5. How will the lagoon seal be tested after the bentonite is in place?

B. Groundwater Considerations

1. A site map showing topography and the location of existing wells within a quarter mile radius of the proposed system. Information on existing water wells, including well completion, yield, water use, water quality and other relevant data should be submitted with the map.
2. An estimation of the maximum annual fluctuation in the groundwater table that can be expected during the operation of the lagoon system.
3. A characterization of wastes that will enter the lagoon system.

4. General geological information that is available for the area including but not limited to: (a) surface geology maps, and (b) stratigraphic information.
5. A potentiometric (water table) map showing lagoon locations and pond bottom elevations.

12-10-88

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-668
SEE SPECIAL CONDITION

Balber Septic System
(Name of Facility)

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

John Balber

9311 Campstool Rt.

Cheyenne, WY 82001

to construct, install, or modify a septic system drainfield for two homes facility according to the procedures and conditions of the application No. 83-668. The facility is located in W1/2 Section 13, T14N, R64W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

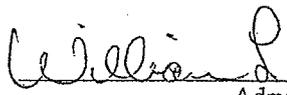
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

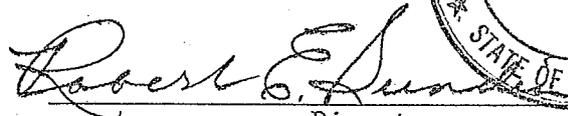
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

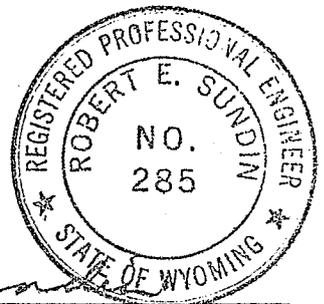
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
December 15, 1983
Date of Issuance




ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



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

Condition to Permit to Construct

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

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

cc: James Voeller
AVI
7300 Yellowstone Road
Cheyenne, WY 82009

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

April 27, 1984

Town of Pinedale
ATTN: Bruce Edwards
P. O. Box 709
Pinedale, WY 82941

Re: Town of Pinedale - Pine Street (US 191) Water Line Replacement
DEQ/WQD 83-669RR

Dear Bruce:

This letter is in reference to the above mentioned project. After reviewing the application, plans and specifications, they appear to meet the minimum design standards for the State of Wyoming.

A "Permit to Construct" cannot be issued owing to the fact that the project has already been completed. Please retain this letter as verification that the water line replacement has been accepted by the Wyoming Department of Environmental Quality.

Sincerely,


Jack Bedessem
Area III Supervisor

JB:mpm

cc: Steven Lewis
Cheyenne DEQ/WQD
File (5)

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Pine Street Water Line Replacement - Town of Pinedale
ATTN: Bruce Edwards

ENGINEER: Steve Lewis
Wyoming State Highway Department
P. O. Box 763
Pinedale, WY 82941

OWNER: Town of Pinedale
P. O. Box 709
41 S. Franklin Avenue
Pinedale, WY 82941

WATER QUALITY DIVISION REFERENCE NUMBER: 83-669R

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: March 15, 1984

ACTION: Not Authorized.

COMMENTS: The information you submitted, as per my January 4, 1984 review letter appears satisfactory.

In order to complete the review process an application form (enclosed) still needs to be submitted. Complete the applicable portions of the form. Instead of signing the application, where it indicates "Signature of Applicant" (lower left), write in "As-Built".

If you have any questions please feel free to contact me.

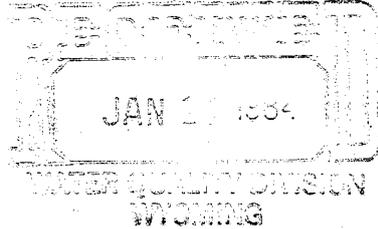
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Pine Street Water Line Replacement
ATTN: Bruce Edwards

ENGINEER:

OWNER: Town of Pinedale
P. O. Box 709
41 S. Franklin Avenue
Pinedale, WY 82941



WATER QUALITY DIVISION REFERENCE NUMBER: 83-669

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: January 4, 1984

ACTION: Not Authorized

COMMENTS:

The Wyoming Environmental Quality Act and Chapter 3 Rules and Regulations stipulate that no person except when authorized by a permit, shall: construct, install, or modify . . . any public water supply.

Under the emergency circumstances of this water line replacement, a "Permit to Construct" was not issued. However, the "As-Built" plans must be authorized in the same manner as a "Permit to Construct."

To obtain authorization of these "As Built" plans the following items need to be submitted and/or addressed:

1. A completed application form must be submitted. Instead of signing the application, where it says "Signature of Applicant" (lower left), "As Built" should be written.
2. Three complete sets of plans and specifications should be submitted, signed by a registered Wyoming Professional Engineer.
3. Address the type of pipe material used.
4. Details of appurtenances (i.e. valving, fire hydrants, curb stops, etc.) should be provided if not specified in the construction specifications.

Submit the required information as soon as possible. If you have any questions please feel free to contact me.

ABC

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

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

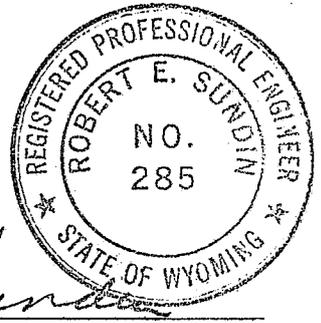
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
PE # 1479
Administrator
Water Quality Division
STATE OF WYOMING



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

April 2, 1984
Date of Issuance

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

* CONDITION TO PERMIT *

Please note that the maximum allowable construction period of five (5) years has been listed. If this construction is not completed before this time limit expires, you will need to reapply for a new Permit to Construct.

EB:dcn

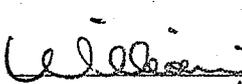
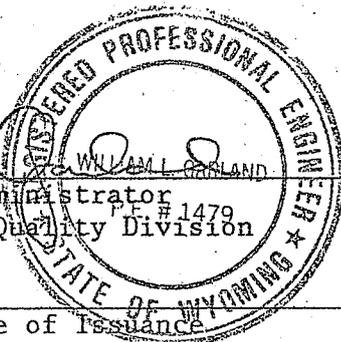
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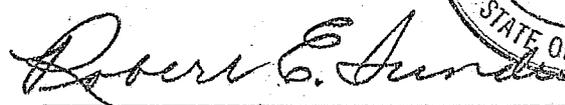
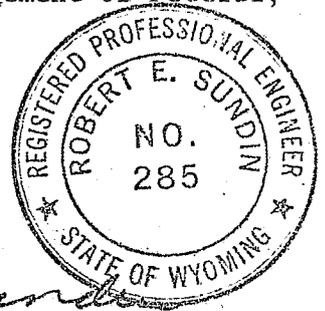
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AUTHORIZED BY:


WILLIAM OAKLAND
Administrator
Water Quality Division
P.E. # 1479



Director
Dept. of Environmental Quality


April 2, 1984

Date of Issuance

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

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EB:dcn

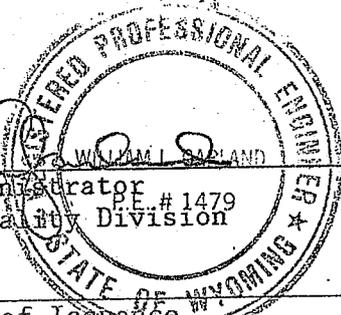
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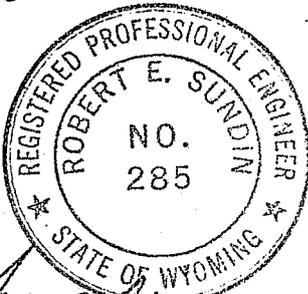
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AUTHORIZED BY:


Administrator #1479
Water Quality Division
STATE OF WYOMING


Director
Dept. of Environmental Quality
STATE OF WYOMING

April 2, 1984

Date of Issuance

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EB:dcn

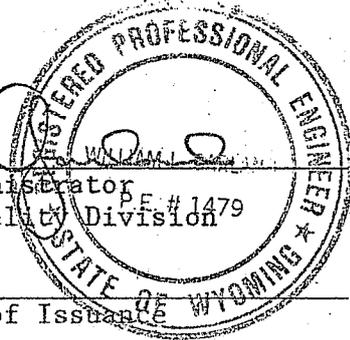
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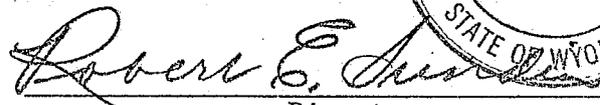
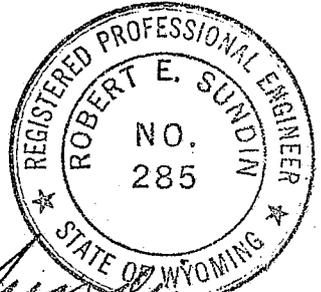
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AUTHORIZED BY:


Administrator
Water Quality Division
P.E. # 1479



Director
Dept. of Environmental Quality


April 2, 1984
Date of Issuance

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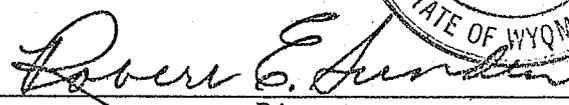
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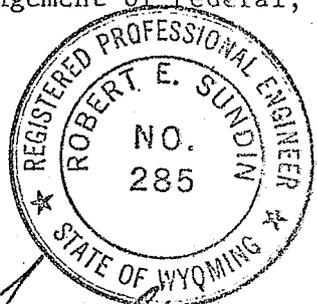
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AUTHORIZED BY:



Adminstrator 1479
Water Quality Division

Director
Dept. of Environmental Quality


April 2, 1984

Date of Issuance

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

* CONDITION TO PERMIT *

Please note that the maximum allowable construction period of five (5) years has been listed. If this construction is not completed before this time limit expires, you will need to reapply for a new Permit to Construct.

EB:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Northwestern Resources, Grass Creek Coal Mine
Sediment Control Reservoirs 2, 5, 6, 7, 8 and Ditches 5B and 5C

ENGINEER: Western Water Consultants, Inc.
P. O. Box 3042
Sheridan, WY 82801

OWNER: Northwestern Resources Co.
P. O. Box 1899
Billings, MT 59101

WATER QUALITY DIVISION REFERENCE NUMBER: #83-670, #86-671, #83-672, #83-673, #83-674

REVIEWING ENGINEER: Ed Baruth *Jeff Hermansley for Ed Baruth*

DATE OF REVIEW: December 21, 1983

ACTION: Not authorized.

COMMENTS:

1. This department feels that the calculated spillway velocities may cause erosion, without preventative placement of rip rap.
2. Please provide soils classification information used in the sediment inflow calculation, as used in the Universal Soil Loss Equation.
3. Please provide slopes and lengths used in the LS determination. (Uniform Soil Loss Equation)
4. Our June 1983 annual inspection noted erosion problems with the diversion ditches around Pond 4B. In order that this problem not occur again, please address the appropriateness of placing rip rap in ditches 5B, 5C or any other disturbed area ditches.
5. Please provide us copies of State Engineer permits, especially concerning the permanent stock ponds.
6. The sediment delivery ratios used seem conservative. Could you provide your reasoning in your use of the 0.3 ratio.
7. Please provide exhibits G, H and T for culverts and "numerous diversion ditch" location, etc.
8. Page (MP)36 indicates that 2.41 "of precipitation would result from the 10-year 24-hour storm. However, your current NPDES permit lists a 2.6" valve. This department will consider the 2.6" valve as the minimum unless you further substantiate your parameter.

ABC

Review of Plans and Specifications

Northwestern Resources #'s 83-670 through 83-674

December 21, 1983

Page Two

9. The only apparent modification to the NPDES discharge permit (WY-0030317) resulting from this application may be the inclusion of the sediment ponds as discharge points. If any of these ponds will receive process water, they will need to be identified. If only sediment from disturbed areas will be affected, they will not. Could you please cross check the respective drainage areas and provide us some type of site plan. Process water has a rather broad definition.

10. Naturally the permitting and review process by this department does not alter your required adherence to DEQ/LQD regulations.

11. Our department continues to require that you notify us of any discharge, whether pumped or gravity flow.

12. Please provide three copies of all backup materials with all permit related correspondence. We received only one copy each of "5. Mining Hydrology" and "10. Hydrologic Restoration" in your last submittal.

13. Our permits to construct are normally issued with an effective period of two years and a five-year maximum. Therefore, we cannot permit construction in December of 1983 which will not be completed prior to December of 1988. This seems to be a problem if your proposed 1990 schedule for Pond 8 must be adhered to.

EB:dcn

cc: Steve Payne, DEQ/LQD - Lander

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

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

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AUTHORIZED BY:

William L. Garland

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

Robert E. Sundin

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

January 4, 1984

Date of Issuance

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

* CONDITION ON PERMIT *

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

The facility authorized by this permit can be operated until Cody's system is available to the site. At that time, the facility authorized by this permit will be abandoned.

JH:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Rimrock Tire Garage

ENGINEER: Roger Jacobson
P. O. Box 1900
Cody, WY 82414

OWNER: Larry Hickey
2603 Big Horn Ave.
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #83-675

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: December 20, 1983

ACTION: Not authorized.

COMMENTS: As we discussed, the design for the Rimrock Tire Garage is based on Water Quality's Chapter XI Proposed Rules and Regulations. Therefore, in keeping with these Rules and Regulations, I would like to offer the following comments:

1. The septic tank - leach field you have designed meets the minimum standards based upon the information given.

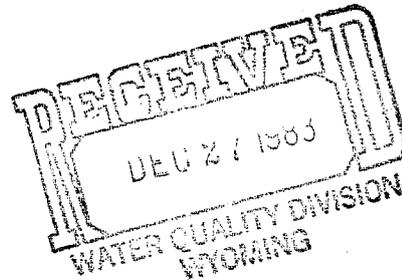
However, the Regulations require [Section 5.b.(2)] at least one percolation test be run on the site of the proposed leach field in conjunction with a soil texture evaluation by a person experienced in soils classification. So although you have identified the soils across A Street to be similar, at least one percolation test is still required.

2. It appears that the "terrace gravels" are different than the surface soil in the area of the proposed leach field. If so, is the percolation rate you assume, the same for the surface soil and the terrace gravel?

If the terrace gravel has a percolation rate of less than 1 minute per inch, the design must be adjusted to cover this condition.

3. You state that "groundwater is not a problem." Could you estimate the depth to groundwater in the area?

4. What is the design criteria for the floor drain seepage pit?



AC

Review of Plans and Specifications

Rimrock Tire Garage

December 20, 1983

Page Two

5. Have you looked at the necessity for an oil, grease, silt and sand interceptor before the seepage pit? I am concerned that any garage type facility is going to carry oil, grease, silt and sand with the wastewater.
6. The seepage pit needs to be protected from traffic as well as the leach field.
7. How far is the proposed seepage pit from the proposed leach field?

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

JH:dcn

1-4-84

PERMIT TO CONSTRUCT

New

Permit No. 83-676

Renewal

Modified

Casper Regional Solid Waste Management Facility Water Distribution System
(Name of Facility)

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

City of Casper

Public Works Department

1255 North Beech

Casper, WY 82601

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 83-676. The facility is located in Section 35, T34N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

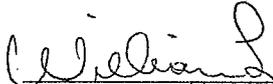
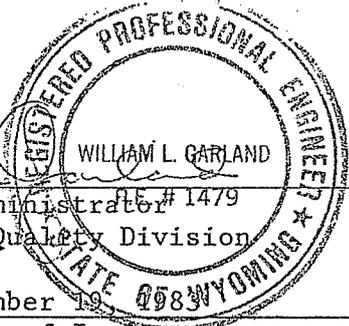
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

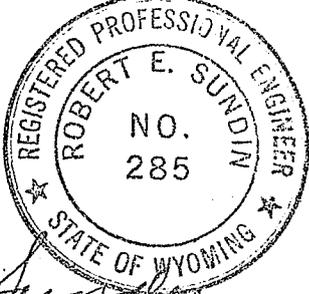
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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
December 19, 1983
Date of Issuance



ROBERT E. SUNDIN
Director
Dept. of Environmental Quality

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

cc: Ronald Pedde
Cooper Engineers, Inc.
3606 S. Highway 59
Gillette, WY 82716

12-20-83

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 83-677
SEE SPECIAL CONDITIONS

Block 5 Pit Water Pond
(Name of Facility)

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

Arch Mineral Corporation

P.O. Box 490

Hanna, WY 82327

to construct, install, or modify a full containment pit dewatering pond facility according to the procedures and conditions of the application No. 83-677. The facility is located in Section 7, T22N, R81W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

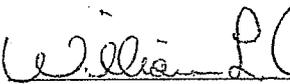
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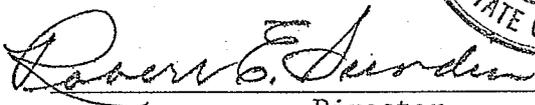
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator E. # 1479
Water Quality Division
STATE OF WYOMING
December 16, 1988
Date of Issuance


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

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

cc: James F. Felber
Arch Mineral Corp.
Box 490
Hanna, WY 82327

Conditions to Permit to Construct

1. A minimum free board of two feet shall be provided between the top of the sump containment and the maximum design water level.
2. All surface water runoff shall be prevented from entering this sump.

1-11-84

PERMIT TO CONSTRUCT

New

Permit No. 83-678R

Renewal

Modified

UNION CARBIDE CORP. GAS HILLS MINE
GUARD WELL 3C

(Name of Facility)

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

Union Carbide Corporation

P. O. Box 5100, Gas Hills Station

Riverton, WY 82501

to construct, ~~instead, or modify~~ a guard well 3b

~~facility~~ according to the procedures and conditions of the

application No. 83-678R. The facility is located in _____

Section 15, T.33N., R.89W.

in the County of Natrona,

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

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

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

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

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

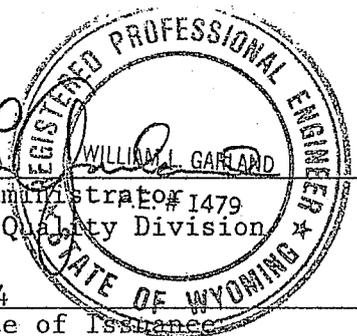
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

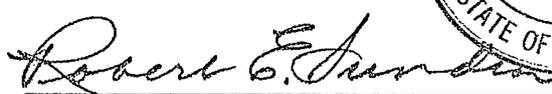
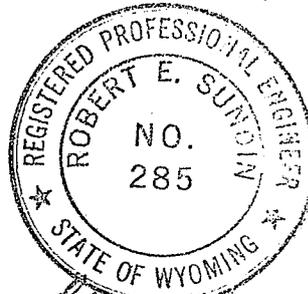
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



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

January 4, 1984

Date of Issuance



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

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

EB:dcn



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tony Mancini, Groundwater Supervisor

FROM: Kate Laudon, Groundwater Engineering Evaluator. *KJL*

DATE: December 30, 1983

SUBJECT: Union Carbide Corporation (UCC) Gas Hills Mine, Permit to Construct
Guard Well 3C, Permit Number 83-678R

Union Carbide Corporation has submitted an application to install a second pumpback well (GW-3C) to increase the capacity of the A-9 seepage collection system. In response to my telephone review of December 16, 1983, their consultant has submitted the enclosed completion diagram for the proposed well. I have reviewed the completed permit application, and everything appears to be in order.

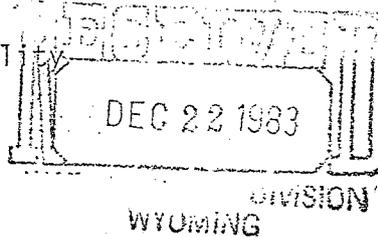
cc: Ed Baruth
Norma Coulson



83-678R

December 19, 1983

Kate Laudon
Department of Environmental Quality
Water Quality Division
1111 East Lincolnway
Cheyenne, Wyoming 82002



Dear Kate:

Enclosed is a well completion drawing which describes Union Carbide's A-9 collection wells GW3B and GW3C. This drawing should be added to the permit of these collection wells. Please give me a call if you need additional information on the well completion.

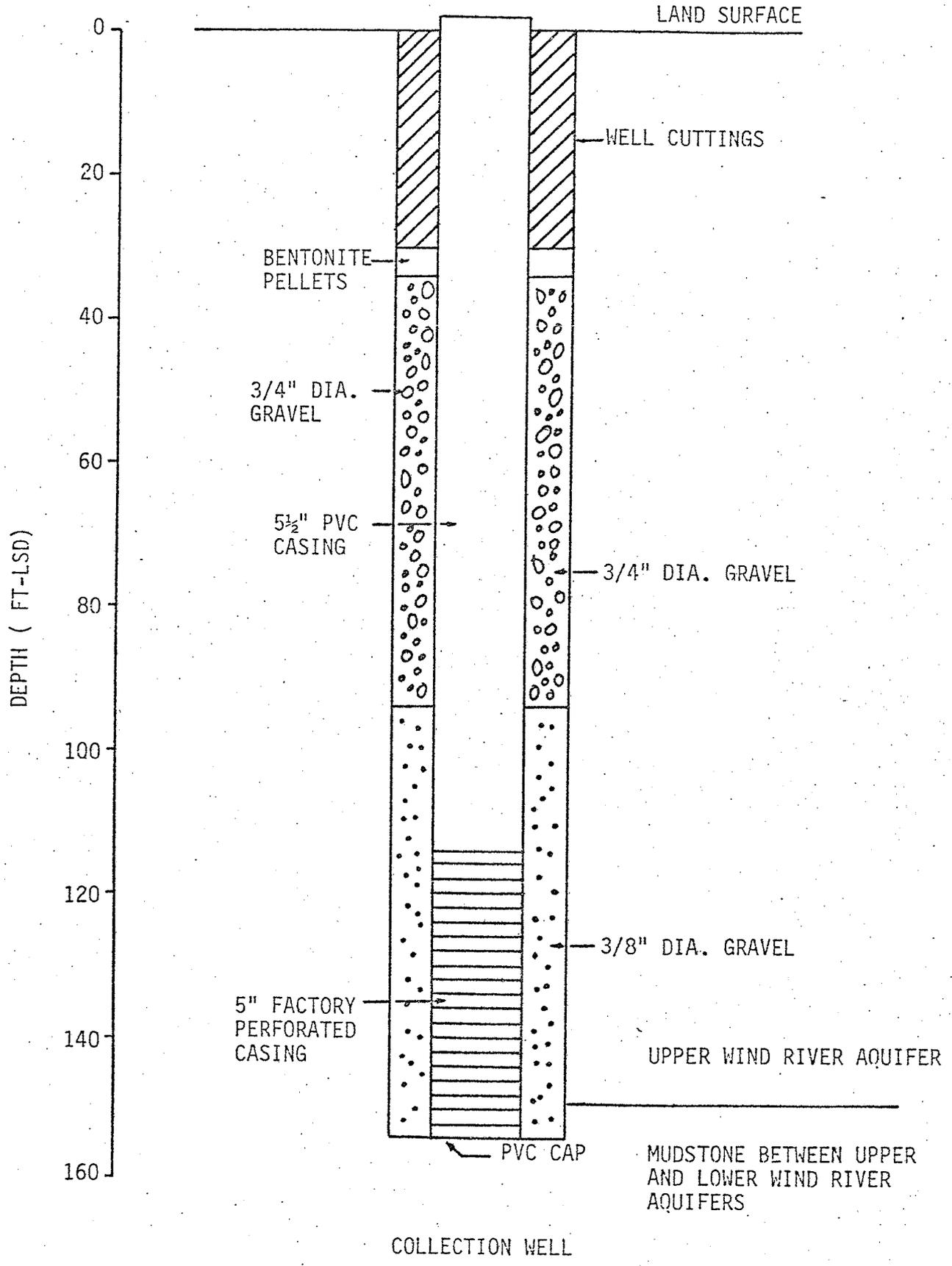
Sincerely,



GEORGE L. HOFEMAN, P.E.
Hydrologist

Enclosure

cc: Gary Horton





Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: File: Union Carbide Corporation Gas Hills Mine

FROM: Kate Laudon, Groundwater Engineer *KJL*

DATE: December 21, 1983

SUBJECT: Phone Review of the Application for a Permit to Construct
Guard Well 3C (Permit Number 83-678)

On December 8, 1983, we received an application for a permit to construct a second pumpback well at the Union Carbide Corporation (UCC) Gas Hills Mine. The application was submitted as a modification to the A-9 seepage collection system (permit number 83-149). We have given it a new number, so that the well can be permitted independently of other structures associated with the A-9 seepage collection system.

On December 16, 1983, I called George Hoffman of Hydro-Engineering to request specifications for the well under consideration. He is the consulting engineer listed on the application form. He indicated that he will provide the necessary information as soon as possible.

cc: Tony Mancini
Ed Baruth
Norma Coulson

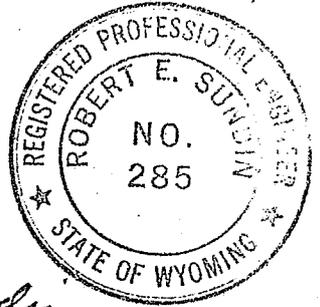
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

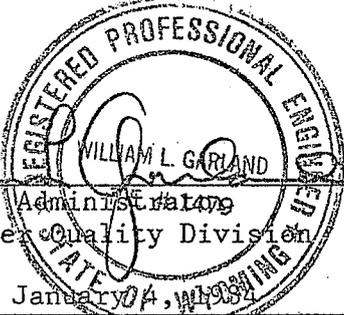
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:




William L. Garland

Administrative
Water Quality Division
January 04, 1984

Date of Issuance

Robert E. Sundin

Director
Dept. of Environmental Quality

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

CONDITION

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

Bill Flaherty
Campbell County Engineer's Office
500 South Gillette Avenue
Gillette, Wyoming 82716

xc: Quality Constructors & Engineering Co.
c/o Quality Services, Inc.
P.O. Box 2848
Gillette, WY 82716

1-11-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-680R
SEE SPECIAL CONDITION

Jeff Williams System
(Name of Facility)

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

Jeff Williams

P.O. Box 1622

Cheyenne, WY 82003

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system facility according to the procedures and conditions of the application No. 83-680R. The facility is located in Tract 10, Deike Estates, 2nd Filing, Section 28, T14N, R65W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

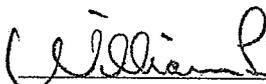
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

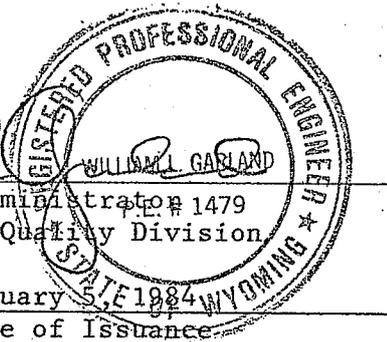
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

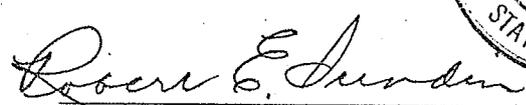
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

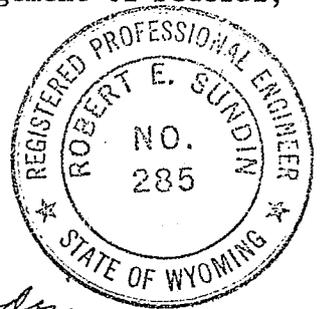
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division
January 1984
Date of Issuance




Director
Dept. of Environmental Quality



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

Condition to Permit to Construct

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

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

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

12-23-83

Review of Plans and Specifications

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

PROJECT: Jeff Williams, Laramie Co.

ARCHITECT OR ENGINEER: Peter Hutchison
1902 Thomas Ave., Cheyenne, WY 82001

APPLICANT: Jeff Williams
P.O. Box 1622, Cheyenne, WY 82003

WATER QUALITY DIVISION REFERENCE NUMBER: 83-680

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

DATE OF REVIEW: December 22, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. More information is needed on how the system was designed. No flow quantities or number of occupants was submitted. How was the final field size determined?
2. A well log was not submitted as was stated on page 1 of the check list.
3. It was stated that an easement for the drain field is no longer needed. Please explain as the drain field should be on the same property.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

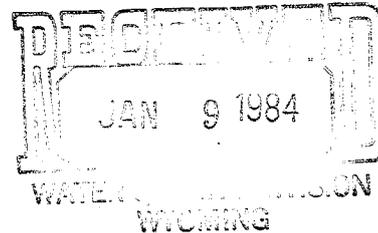
2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 5, 1984

Mr. William Mentock
Engineering Inc.
45 East Loucks, Suite 301
Sheridan, Wyoming 82801



SUBJECT: DEQ Reference No. 83-681
Ranchester Lagoon Site

Dear Bill:

I am returning enclosed the plans and specifications for site preparation for the Ranchester lagoon location. This type of construction requires no Permit to Construct from this Division since it does not actually encompass any wastewater treatment facilities. We will, of course, review the actual facility plans and specifications when appropriate.

I have taken the liberty of sending a copy of this letter to the FmHA office in Casper. Please feel free to contact me if you have any further questions on this.

Yours truly,

A handwritten signature in cursive that reads "Tom Mueller".

Tom Mueller
District Supervisor

TM:ls

Enclosures

xc: Norma Coulson (w/application)
Michael F. Ormsby, FmHA
Jake Strohman

APPLICATION FOR
 PERMIT TO CONSTRUCT, INSTALL OR MODIFY
 PUBLIC WATER SUPPLIES AND WASTEWATER FACILITIES
 IN WYOMING

83-681

Name of Facility TOWN OF RANCHESTER SEWAGE TREATMENT PLANT
 Location of Facility: Sec. 20 T. 57N R. 85W Co. SHERIDAN
 Facility Description: New Construction Modification

Public Water Supply
 Municipal _____
 Other Legal Entity _____
 Commercial _____
 Industrial _____

Type of Facility:
 Source Development
 Treatment Plant
 Distribution System

Source: Groundwater _____
 Surfacewater _____
 Capacity, or Demand _____ gpm

List State Engineer permit number(s) for
 other sources: _____

Wastewater Treatment Facility
 Municipal _____
 Other Legal Entity _____
 Commercial _____
 Industrial _____
 Small _____

Type of Facility:
 Subsurface Disposal
 Stabilization Pond
 Evaporative
 Mechanical Treatment
 Collection System

Volume of Wastewater 0.2 MGD

The State Engineer has reviewed this project
 and has determined that it will not inter-
 fere with existing water rights.
 Yes No

List State Engineer permit number(s) on the
 water source(s) related to this project:
90



Briefly describe facilities proposed to be constructed: SEWAGE TREATMENT PLANT (AERATED LAGOON)

Does the proposed water supply/wastewater treatment/facility discharge? YES
 If yes, NPDES Permit Application No. WY0022161
 Name of receiving waters TONGUE RIVER

Name of Applicant TOWN OF RANCHESTER
 Mailing Address: P.O. Box 236
 (Street or P.O. Box)
RANCHESTER WY 82839
 (City) (State) (Zip)
 Business Phone 655 - 2283
 Home Phone _____

Name of Engineer WILLIAM A. MENTOCK
 Wyoming P.E.# 3864
 Engineering Firm ENGINEERING INC. OF WYOMING
 Mailing Address: SUITE 301, 45 E. LOUCKS
 (Street or P.O. Box)
SHERIDAN WY 82801
 (City) (State) (Zip)
 Phone 674-4224

I certify that the above described facility has been submitted in accordance with local,
 county and State statutes, as required, and that said facility shall be constructed as
 authorized under the provisions specified in Wyoming Water Quality Rules and Regulations,
 Chapter III, 1976.

William A. Mentock ASSISTANT TOWN ENGINEER 12/20/83
 Signature of Applicant Date

2-27-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-682RR
SEE SPECIAL CONDITION ON BACK

Rock River Water Treatment Project
(Name of Facility)

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

Town of Rock River

Town Hall

Rock River, WY 82083

to construct, install, or modify a 350 gpm package water treatment plant and water pipeline facility according to the procedures and conditions of the application No. 83-682RR. The facility is located in Section 11, T20N, R77W in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

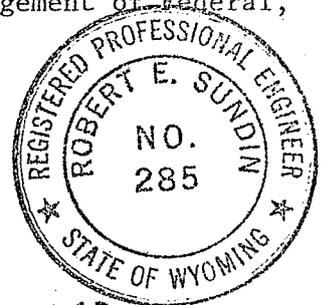
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

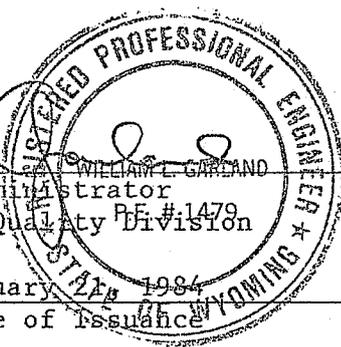
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

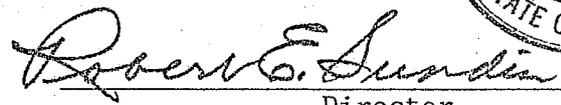
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:




WILLIAM L. GARLAND
Administrator
Water Quality Division
P.E. #1479
February 27, 1984
Date of Issuance




Robert E. Sundin
Director
Dept. of Environmental Quality

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

Condition to Permit to Construct

The owner shall comply with all the requirements concerning operator certification as stated in Chapter V of the Water Quality Rules & Regulations. Contact Paul O'Leary at 777-7781 concerning new plant classification.

cc: Jim I. Cavalli
Banner Associates, Inc.
P.O. Box 550
Laramie, WY 82070

1-6-84

Review of Plans and Specifications

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

PROJECT: Rock River Water Treatment Project, Albany Co.

ARCHITECT OR ENGINEER: Jim I. Cavalli, Banner Assoc., Inc.
P.O. Box 550, Laramie, WY 82070

APPLICANT: Town of Rock River
Town Hall, Rock River, WY 82083

WATER QUALITY DIVISION REFERENCE NUMBER: 83-682

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

DATE OF REVIEW: December 30, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Please submit a copy of the 1978 study for our review.
2. The existing raw water line that goes directly to the storage tank must be severed. A gate valve is not allowed as this constitutes a cross-connection once the plant is built.
3. I cannot figure out how the flow is going to be controlled through the plant at a constant rate and how the flow will be equally divided to each side of the plant. Also, what happens when one side of the plant is shutdown for backwashing? Will the butterflies automatically throttle to control the flow? What is the pressure entering the plant?
4. Trying to relate the specifications to a "blank box" on the plans is difficult. Could you send the manufacturer's information and drawings for clarity?
5. Have any tests been performed as to the treatability of the raw water? What is the alkalinity? Alum added to low alkaline water causes treatment problems because of pH changes. During most of the year, the low turbidity water combined with a low alkalinity produces the most difficult water to treat. If tests have not been performed, then provisions should be made for adjusting pH, adding alkalinity, and/or adding clay. Continuous treatment is necessary the year around to protect against bacteria and protozoans like Giardia.
6. Chemical Mixing
 - a. What is the detention time and velocity gradient of the mixer? Do the solution containers have overflow pipes which discharge into the slab without splashing? The concrete pad must have a lip to contain spills.
 - b. The capability to chlorinate during treatment is necessary. This is especially necessary to eliminate slime, bacteria, and algae build-up on the filters. A hypochlorinator is adequate.

7. Flocculation

- a. Please justify the use of hydraulic flocculators. Mechanical agitation is far superior as they allow for better mixing along with variable speeds.
- b. Ten State Standards (TSS) require 30 minutes of detention time at a flow through velocity of 0.5-1.5 feet per minute. The proposed design does not meet the detention time requirement and the velocity is not known.

8. Sedimentation

- a. Please provide better information, sketches, and examples of how the tube cleaning and sludge removal system will work. The literature definitely favors the use of mechanical sludge removal. Where will the pressurized water come from to flush the tubes? How often will this occur?
- b. Specifications, page 15C1-5, fourth paragraph, line 1. The requirement that a particle of floc not to travel more than 3 feet does not make sense when referring to the clarified water.

9. Filtration

- a. The surface washer should have a backflow prevention device. Check valves are not acceptable.
- b. The effluent line from the filter to the clear well must be submerged to keep air from getting back into the filter.
- c. It is not known if the requirements of TSS are met concerning the depth of the filter box, minimum water depth over the filter, freeboard, distance to backwash troughs, etc.

10. Clear well

- a. The clear well does not seem large enough to allow for two back-to-back backwashing which will normally happen.
- b. The overflow pipe should be screened.

11. Controls

- a. The low clear well level is specified at two different levels. See page 15C1-14 and 15C1-13.
- b. There doesn't appear to be a level switch as to when the effluent pumps will start after they have been stopped at the six foot level. There will be numerous pump cycles until the storage tank is at the 34.0 feet level.
- c. The backwash flow meter (page 15C1-23) is specified for a capacity of only 100 gpm and yet the pumps are 630 gpm.
- d. How is the flow through the filters controlled? Is this a declining flow rate type?
- e. Any time the filter shuts-off or there is a change in flow rate, the cycle to waste must be initiated. Research has shown that changes in flow rate (either up or down) cause breakthrough in the filter. Section D on page 15C1-13 specifically did not address the cycle to waste.

- f. The turbidimeter should be tied into the automatic backwash control.
- g. Page 15C1-24. The continuous effluent turbidimeter should have a range and accuracy specified.
- h. Page 15C1-24. Where is the submersible pump located?
- i. Page 15C1-25. Where is the laboratory to be located? Where will the wastes go?

12. Wastes

- a. It has been DEQ's policy not to permit any wastewater discharges (NPDES) from water treatment plants as the wastes are easily recycled. Please provide design information for recycling the wastewater back into the influent along with estimated settling times.
- b. Will the ponds impact on any groundwater?
- c. Have the flows from the sludge disposal, tube cleaning, and cycle-to-waste water been included in the pond analysis?

13. Miscellaneous

- a. What is the type of backflow preventor on the non-potable water supply line? A double check valve is not appropriate. Also the non-potable water supply line will not always have pressure on it. Is this acceptable?
- b. Why are there foundation drains if there is no groundwater?
- c. How will you pull out the effluent and backwash pumps and bowls? Is a hoist or overhead track provided? The nine foot bowls will be hard to raise with only a 14 foot ceiling.
- d. For safety and maintenance purposes, another access door is justifiable.
- e. What is the reliability of providing water to the town without stand-by power? Is there emergency exit lighting in the building?



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

May 17, 1984

Alan Cook
Park America
1935 S. Main Street
Salt Lake City, UT 84115

Re: "As Built" Auxiliary Water Well for Honeywood Cove Mobile Home Park,
Uinta County, Wyoming (83-683RR)

Dear Mr. Cook:

A review of the application, plans and specifications for the above referenced facility has been completed. The facility appears to meet the minimum design standards for the State of Wyoming.

A "Permit to Construct" cannot be issued owing to the fact that the facility has already been built. Please retain this letter as verification that the facility has been accepted by the Wyoming Department of Environmental Quality.

For reference, find enclosed a copy of the Wyoming Environmental Quality Act and Chapter III Water Quality Rules And Regulations. Please note that - "No person, except when authorized by a permit . . ., shall: construct, install, modify, or operate any sewerage system, treatment works, disposal system or other facility capable of causing or contributing to pollution . . .; construct, install, modify or operate any public water supply . . .

If you have any questions concerning this departments regulations, please feel free to contact me.

Sincerely,

Jack Bedessem
Area III Supervisor

JB:mpm

cc: Dennis Farley
Cheyenne DEQ/WQD
File (5)

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Honeywood Cove Mobile Home Park - Auxiliary Water Well

ENGINEER: Hooper Knowlton, Jr.
Consulting Engineer
428 S. State Street
Salt Lake City, UT 84111

OWNER: Alan Cook
Park America
1935 South Main Street-Suite 518
Salt Lake City, UT 84115

WATER QUALITY DIVISION REFERENCE NUMBER: 83-683R "As Built"

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: April 26, 1984

ACTION: Not Authorized.

COMMENTS: On January 9, 1984 this office sent a review letter requesting additional information about the referenced project. The additional information submitted on March 21, 1984 has been reviewed.

This office has determined that the auxiliary water well and piping does not comply with the minimum design standards for the State of Wyoming. Ten State Standards For Water Works requires that the discharge piping be equipped with a pressure gauge and a means for measuring flow.

Before this "as built" project can be accepted by this department the above requirement needs to be complied with.

If you have any questions, please feel free to contact me.

JB:mpm

cc: Marion Yoder

C

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Auxilary Well - Honeywood Cove Mobile Home Park

ENGINEER: Hooper Knowlton, Jr.
Consulting Engineer
428 S. State Street
Salt Lake City, UT 84111

OWNER: Alan Cook
Park America
1935 So. Main St. - Suite 518
Salt Lake City, UT 84115

WATER QUALITY DIVISION REFERENCE NUMBER: 83-683 "As Built"

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: January 9, 1984

ACTION: Not Authorized.

COMMENTS: An initial review of the referenced plans and specifications has been completed. Before the "As Built" facility can be accepted by this department, the following items need to be resolved or addressed:

1. Two complete sets of plans and specifications need to be submitted to this office.
2. Clarify, the well diagram indicates a screen was installed, the Statement of Completion indicates no screen was installed.
3. Pump test and drawdown test data should be submitted.
4. Pipe material (6") used to connect the well to the existing system.
5. Information is needed as to whether the discharge piping is equipped with a check valve, a pressure gauge, a flow gauge, and a sampling tap.
6. Address whether a means for pumping to waste is provided.

Submit the required information to this office as soon as possible.

cc: Marion Yoder

2-6-84

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-684

GATEWAY PUMP STATION AND COLLEGE HILL STANDPIPE
(Name of Facility)

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

Pacific Power & Light Co.

920 S. W. Sixth Avenue

Portland, OR 97204

to construct, install, or modify a install approximately 320' of 16", 1300' of
12" and 60' of 8" water main and appurtenances to provide domestic and fire protection
water to the College Hill facility according to the procedures and conditions of the
application No. 83-684. The facility is located in
Sec. 27, T19N, R105W

in the County of Sweetwater,

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

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

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

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

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

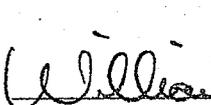
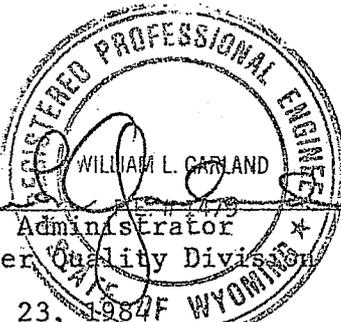
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

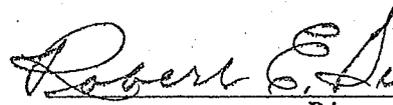
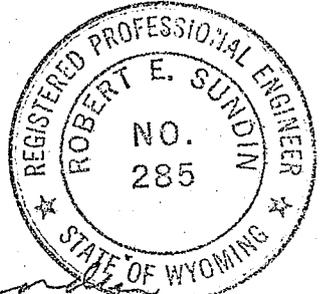
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division
January 23, 1984
Date of Issuance



ROBERT E. SUNDIN
Director
Dept. of Environmental Quality

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

JB:mpm

cc: Stanley A. deSousa
Pacific Power & Light Co.
920 S.W. Sixth Avenue
Portland, OR 97204

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

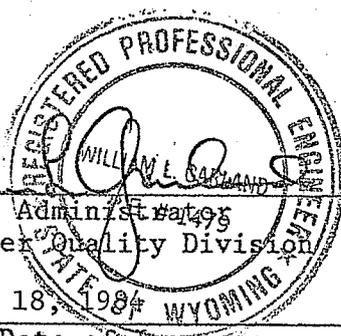
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

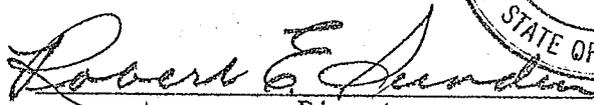
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


Admin. # 1495
Water Quality Division
January 18, 1987
Date of issuance




Director
Dept. of Environmental Quality



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

JB:mpm

cc: Stanley A. deSousa
Pacific Power & Light Co.
920 S.W. Sixth Avenue
Portland, OR 97024

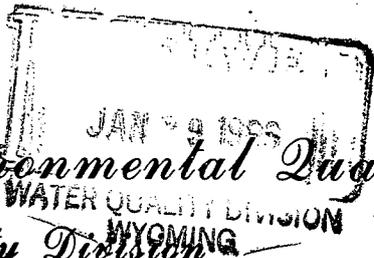
Norma

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division



210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 28, 1986

Dale Peterson
c/o Town of Mountain View
533 Front Street
Mountain View, WY 82930

Dear Mr. Peterson:

Your application for Uinta County School District Water Line Extension Phase II, (DEQ Permit No. 83-686), is considered inactive under the assumption that you do not wish to proceed with the permit to construct process.

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

Sincerely,

William L. Garland
Administrator

WLG/BL/jw

Norma



*Department of Environmental Quality
Water Quality Division*

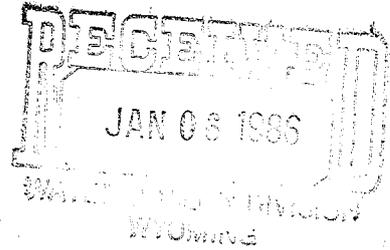
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 3, 1986

Dale Peterson
c/o Town of Mountain View
533 Front Street
Mountain View, WY 82930



Dear Mr. Peterson:

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

Facility Name: Uinta County School District Water Line Extension Phase II

DEQ/WQD Reference Number: 83-686

Engineering Consultant: Uinta County School District, P.O. Box 1090 Lyman, WY 82937

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 1-25-84

Please indicate below the status of this project and return this form to our office.

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other Remarks: _____

You are reminded that the construction, installation, or modification of any sewage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes, and is punishable with a fine not to exceed \$10,000 for each day of violation. Unless the Water Quality Division review engineer receives information concerning the status of this project within fifteen (15) days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.
Water Quality Engineer

BL/jw

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water Line Extension Phase II, Lyman High School

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

OWNER: Uinta County School District No. 6
P. O. Box 1090
Lyman, WY 82937

WATER QUALITY DIVISION REFERENCE NUMBER: 83-686

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: January 25, 1984

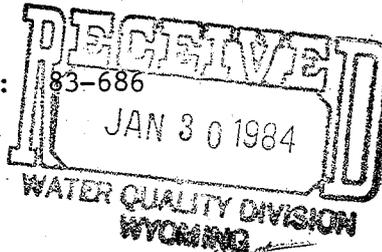
ACTION: Not authorized.

COMMENTS: An initial review of your plans and specifications has been made. Before the review can be completed, the following points need to be resolved or addressed:

1. Sheet 2 of 5. Address the function of the concrete water tank at sta 19+00.
2. Information is needed as to why no fire hydrants are present between sta 17+00 to 36+00 and 36+00 to 49+00. All existing and proposed fire hydrants should be noted on the plans.
3. Information is needed as to why no valves are present between sta 36+00 to 49+00.
4. All water line and sewer line crossings should be shown on the profile plans.
5. Information is needed as to why a blow off valve is to be installed at sta 0+00 instead of a fire hydrant.

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

JB:mpm



AC

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

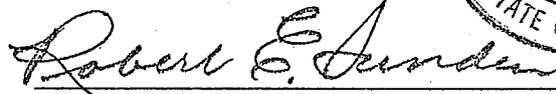
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

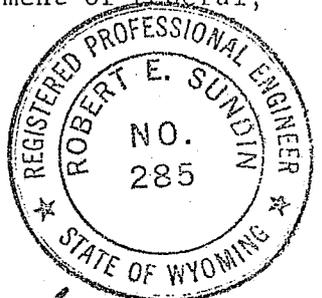
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


 WILLIAM L. GARLAND
 Administrator
 Water Quality Division
 STATE OF WYOMING
 January 9, 1984
 Date of Issuance


 Director
 Dept. of Environmental Quality



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

CONDITION

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

Mr. Ralph Rock
 Campbell County Engineer's Office
 County Courthouse
 500 South Gillette Avenue
 Gillette, Wyoming 82716
 (682-1970)

xc: Ralph Rock, w/copy of plans.

2-1-84

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 31, 1984

Mr. Bert Morrison
Tri-State Equipment Co.
P.O. Box 808
Pine Bluffs, WY 82082

RE: Permit to Construct #83-688R

Dear Mr. Morrison:

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#83-688R) for a permit to construct a commercial subsurface wastewater treatment and disposal system for the Tri-State Equipment Co., Inc. near Pine Bluffs. The Water Quality Division has determined that the system meets the minimum standards. Since a permit to construct cannot be issued for facilities that are already constructed, this letter will serve as authorization for your system.

Sincerely,

William L. Garland
Administrator

WLG/TN/nc

cc: Don Pack, Laramie Co. Environmental Health, 1700 Snyder Ave., Cheyenne, WY 82001
Don Hopkins, D.M. Hopkins & Assoc., 216 E. 17th St., Cheyenne, WY 82001

1-6-84

Review of Plans and Specifications

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

PROJECT: Tri-State Equipment Co., Laramie Co.

ARCHITECT OR ENGINEER: Donald Hopkins, D.M. Hopkins & Assoc.
216 E. 17th St., Cheyenne, WY 82001

APPLICANT: Bert Morrison
P.O. Box 808, Pine Bluffs, WY 82082

WATER QUALITY DIVISION REFERENCE NUMBER: 83-688

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

DATE OF REVIEW: January 5, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Please submit the design information, plans and specifications on the grease trap. I suggest using the following formula for sizing:

$$\frac{\text{Total washer equip.}^* \times 60 \times \text{Retention time}}{\text{flow rate (gpm)}} \times \frac{\text{Storage Factor}}{\text{of 2}} = \frac{\text{Interceptor size}^{**}}{\text{(liquid capacity)}}$$

*The washer equipment flow rate can be obtained from either the manufacturer of your equipment or by actually measuring the flow rate from your washer nozzles.

**The final volume may seem large but this is necessary to remove the silts and allow the grease to coalesce so that the drain field will not plug.

2. The SCS map did not show the correct area for the project.

11-1-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 30, 1984

Wyoming Public Works Council
P.O. Box 32
Cheyenne, WY 82001

RE: DEQ/WQD Ref. No. 83-689, Wyoming Public Works Standard Specifications

Gentlemen:

On December 29, 1983, the Water Quality Division of the Department of Environmental Quality accepted the 2nd edition of the Wyoming Public Works Standard Specifications.

Since that time, the Water Quality Division has developed new standards. Concrete pipe has been included in Chapter XI of the Rules and Regulations as an acceptable piping material for sanitary sewers. Therefore, the exclusion in section 401.02-B(3) of the standard specifications, titled "Concrete Pipe" should be deleted.

Sincerely,

A handwritten signature in cursive script that reads "William L. Garland".

William L. Garland
Administrator

WLG/TC/nc

M-1-3-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

December 29, 1983

Wyoming Public Works Council
P.O. Box 32
Cheyenne, WY 82001

RE: DEQ/WQD Ref. No. 83-689

Dear Gentlemen:

We have completed our review of the Wyoming Public Works Standard Specifications, 2nd edition and find them to be in compliance with the Water Quality Division's rules and regulations. Any additions or deletions to these standards will require review by this Division to ensure continued compliance with the regulations.

Future applications for construction permits need only refer to the above specifications where appropriate.

Sincerely,

William L. Garland
Administrator

WLG/TDC/nc

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

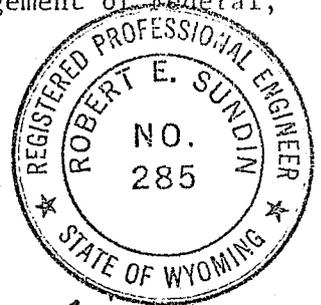
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:



William P. Garland

Administrator
Water Quality Division
January 27, 1984
Date of Issuance

Robert E. Sundin

Director
Dept. of Environmental Quality

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

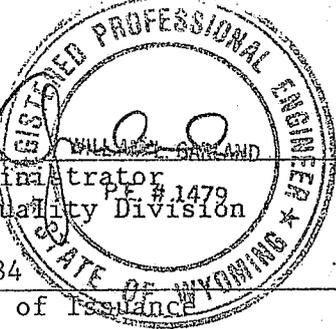
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:


Admin. Atrator
Water Quality Division
February 16, 1984
Date of Issuance

 
Director
Dept. of Environmental Quality

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

* CONDITION ON PERMIT *

Before further use of this truck line occurs, the installation of a booster station appears necessary. All service taps to this line must be evaluated by the City of Riverton before work begins.

EB:dcn

cc: City of Riverton

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Big Sky Subdivision
Water Distribution Facilities

ENGINEER: Cardinal Engineering
2334 Rose Lane
Riverton, WY 82501

OWNER: Porter V. Chopping
Riverview Route, Box 2227T
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: #83-691

REVIEWING EVALUATOR: Ed Baruth *Ed*

DATE OF REVIEW: January 3, 1984

ACTION: Not authorized.

COMMENTS:

1. Please reference the attached Section 8.9.2 excerpt from the 10 State Standards. This item precludes the use of individual booster pumps for providing minimum pressure from newly-constructed public water supply mains.

2. It appears that adequate water pressure may be a problem in this improvement project. However, enough information is not presented with the application, for us to determine if perhaps the minimum of 20 p.s.i. under all flow conditions will be provided (see Section 8.1 of 10 States). Perhaps the booster pump-tank systems will be installed for more comfort oriented purposes, i.e. Riverton's minimum of 40 p.s.i. If this is the case, please provide calculations showing the 20 p.s.i. is available per Section 8.1. (For the record, the 40 p.s.i. minimum is very commendable.)

EB:dcn

Enclosure

AC

8.0 MATERIALS

8.0.1 Standards

Pipe, fittings, valves and fire hydrants shall conform to the latest standards issued by the AWWA, if such standards exist, and be acceptable to the reviewing authority. In the absence of such standards, materials meeting applicable Product Standards and acceptable to the reviewing authority may be selected.

8.0.2 Used materials

Water mains which have been used previously for conveying potable water may be reused provided they meet the above standards and have been thoroughly cleaned and restored practically to their original condition.

8.0.3 Joints

Packing and jointing materials used in the joints of pipe shall meet the standards of the AWWA and the reviewing authority. Pipe having mechanical joints or slip-on joints with rubber gaskets is preferred.

8.1 WATER MAIN DESIGN

→ The normal working pressure in the distribution system should be approximately 60 psi and not less than 35 psi.

8.1.1 Pressure

→ All water mains, including those not designed to provide fire protection, shall be sized after a hydraulic analysis based on flow demands and pressure requirements. The system shall be designed to maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all conditions of flow.

8.1.2 Diameter

The minimum size of water main for providing fire protection and serving fire hydrants shall be six inch diameter. Larger size mains will be required if necessary to allow the withdrawal of the required fire flow while maintaining the minimum residual pressure specified in Section 8.1.1.

8.1.3 Fire protection

When fire protection is to be provided, system design should be such that fire flows and facilities are in accordance with the requirements of the state Insurance Services Office.

8.1.4 Small mains

Any departure from minimum requirements shall be justified by hydraulic analysis and future water use, and can be considered only in special circumstances.

8.8.2 Cooling water

Neither steam condensate nor cooling water from engine jackets or other heat exchange devices shall be returned to the potable water supply.

8.8.3 Interconnections

The approval of the reviewing authority shall be obtained for interconnections between potable water supplies.

8.9 WATER SERVICES AND PLUMBING

8.9.1 Plumbing

Water services and plumbing shall conform to relevant local and/or state plumbing codes, or to the National Plumbing Code.

→ 8.9.2 Booster pumps

Individual home booster pumps shall not be considered or required for any individual service from the public water supply mains.

8.10 SERVICE METERS

Each service connection should be individually metered.

8.11 WATER LOADING STATIONS

Water dispensing units present special problems when the fill line may be used for filling both potable water vessels and other tanks or contaminated vessels. To prevent contamination of the public supply, the following criteria shall be met:

8.11.1 Air break

A device shall be installed on the fill line to provide an air break and prevent a submerged discharge line. (see Figure 1)

8.11.2 Hose length

The fill hose and cross connection control device must be constructed so that when hanging freely it will terminate at least two feet above the ground surface.

8.11.3 Fill line terminus

The discharge end of the fill line must be unthreaded and constructed to prevent the attachment of additional hose, piping or other appurtenances.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-692RR

JIM BRIDGER STEAM ELECTRIC PLANT

(Name of Facility)

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

Pacific Power & Light Co. and Idaho Power
ATTN: Don Vincent-Plant Manager
P. O. Box 158
Point of Rocks, WY 82942

to construct, install, or modify a enlargement of existing evaporation pond to provide approx. 980 ac-ft additional waste water storage and enlarging existing dikes

III, IV, VII-A, VII, VIII. facility according to the procedures and conditions of the application No. 83-692RR. The facility is located in _____

Sec. 25, 26, 35, & 36, T21N, R101W

in the County of SWEETWATER,

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

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

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

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

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

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

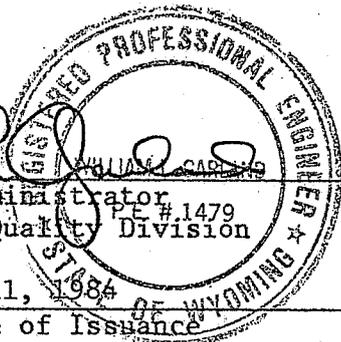
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

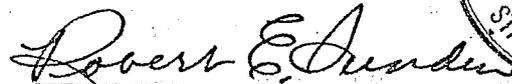
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

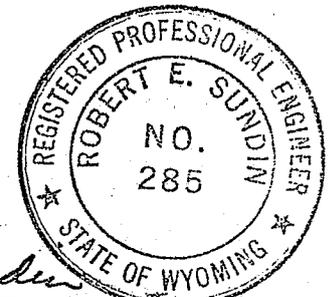
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division
P.E. #1479
June 11, 1984
Date of Issuance




Director
Dept. of Environmental Quality



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

* CONDITION TO PERMIT *

This permit authorizes construction to raise dikes III, IV, VII-A, VII, VIII. The result of this construction will temporarily increase the hydraulic head (water level) approximately 2 feet. If for any reason the amount of seepage exceeds the capacity of the pumpback system, this department must be notified and the pumpback system upgraded in conformance with existing Water Quality Rules and Regulations.

JB:mpm

cc: A. H. Seekamp
Pacific Power & Light Co.
920 S.W. Sixth Avenue
Portland, OR 97204

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Jim Bridger Steam Electric Plant
Enlargement of Evaporation Pond

ENGINEER: A. H. Seekamp
Pacific Power & Light Co.
920 S.W. Sixth Avenue, Rm. 900 PFFC
Portland, OR 97204

OWNER: Pacific Power & Light Co.
ATTN: Don Vincent
P. O. Box 158
Point of Rocks, WY 82942

WATER QUALITY DIVISION REFERENCE NUMBER: 83-692R

REVIEWING EVALUATOR: Jack Bedessen, ^{JB} Kate Laudon

DATE OF REVIEW: February 24, 1984

ACTION: Not Authorized.

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

1. Clarify which dikes are to be enlarged. The application form indicates Dikes V, IX, X and XI are to be enlarged. The plans indicate that Dikes II, III, IV, VII, VIIA, VIII, IX, X and XI,
2. Pages 6 and 7 of the Plan No. 1 Engineering Report states that the annual average pumpback rate is 200 gpm and a pond seepage rate of 0.8gpm/acre over 472 acres. The pumpback system incorporates a series of interceptor ditches routed parallel to Dike VII and VIII located in the southeast corner of the pond. Seepage has been detected in monitoring well located on the southwest side of the pond. The application proposes to raise the maximum water level of the evaporation pond 2 feet. Address the effectiveness of the current seepage collection system and the potential effects of an increased seepage rate due to raising the maximum water level.

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

JB:mpm

ABC



*Plans
returned
to Jack in
person 2-14-84*

Norma

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Jack Bedessem, Engineering Area Evaluator

FROM: Kate Laudon, Groundwater Engineer *KJL*

THROUGH: *ajm* A. J. Mancini, Groundwater Control Supervisor

DATE: February 13, 1984

SUBJECT: Groundwater Review of PP&L
Permit No. 83-692
Application for Enlargement of Evaporation Pond Facilities
(Jim Bridger PP&L, Sweetwater County)

Pacific Power & Light has submitted an application to expand the capacity of the evaporation pond at the Jim Bridger Power Plant. A seepage collection system consisting of a series of intercept ditches is currently located "in" the southeast corner of the pond. The pumpback system is discussed on Pages 6 and 7 of the permit application. An annual average pumpback rate of 200gpm has been maintained in pit sumps associated with the seepage collection system. Additional seepage has been detected in monitor wells located on the southwest side of the evaporation ponds.

The applicant does not address the effectiveness of the current seepage collection system in the permit application. The applicant proposes to raise the water level of the evaporation pond five feet, without increasing the surface area of the pond. The potential effects on the seepage rate associated with increasing the capacity of the evaporation pond have not been addressed.

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 83-692

Date Submitted For Review 1-3-84

Name and Location of Facility Jim Bridger Power Plant,
Sweetwater County, Pacific Power
& Light

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

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

Signed Katherine J. Laudon
Title Engineer Evaluator
Date 2-13-84

Approved 2/14/84
(Date)

AJM
(Signed)
Groundwater Control Supervisor

MEMORANDUM FOR THE DIRECTOR
FROM: SAC, NEW YORK
SUBJECT: [Illegible]

Number [Illegible]

Classified for Release

Classified by [Illegible]

- Bureau, [Illegible] [Illegible]

- Bureau, [Illegible] [Illegible] [Illegible]

5/1/50

Approved: [Illegible]
Special Agent in Charge