

10-2-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-651

SEVENTH DAY ADVENTISTS

(Name of Facility)

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

Wyoming Conference Assoc. of Seventh Day Adventists

P.O. Box 283

Evanston, WY 82930

to construct, install, or modify a septic tank and drain field

facility according to the procedures and conditions of the

application No. 81-651. The facility is located in Sec. 25, T. 15N, R. 121W

in the County of Uinta,

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

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

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

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

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

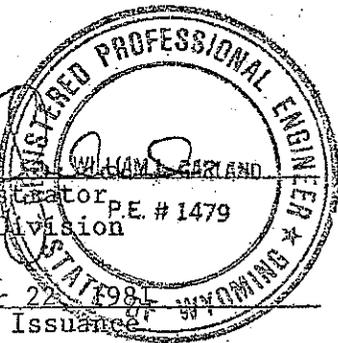
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

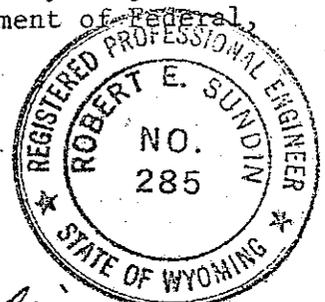
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


William Garland
Administrator
Water Quality Division
P.E. # 1479
September 22, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

AB:nb
9/23/81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-652R

TRUE OIL - DEADMAN CAMP
(Name of Facility)

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

True Oil Company
106 River Cross Road
Casper, WY 82601

to construct, install, or modify a _____

Septic Tank-Leach Field

_____ facility according to the procedures and conditions of the

application No. 81-652R. The facility is located in _____

Sec. 18, T. 35N, R. 115W

_____ in the County of Lincoln,

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

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

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

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

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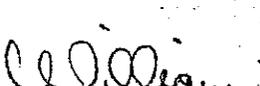
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

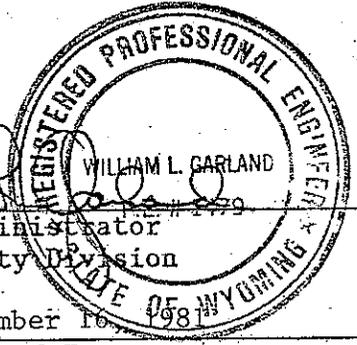
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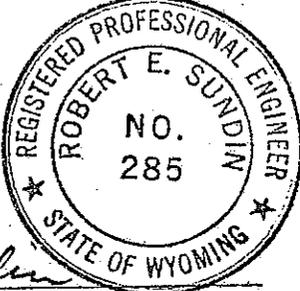
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
September 16, 1981
Date of Issuance




Robert E. Sunden
Director
Dept. of Environmental Quality



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

FL:nb
9/17/81

Cheyenne
Lincoln

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: TRUE OIL - DEADMAN CAMP

ENGINEER: Robert Norton
Nelson Engineering
Box 1599
Jackson, WY 83001

OWNER: True Oil Company
106 River Cross Road
Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-652

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

DATE OF REVIEW: September 15, 1981

ACTION: Not authorized.

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

1. A cleanout is recommended at the 90° bend in the influent line to the septic tank. A cleanout detail is needed.
2. Is this an elevated drilling pad? If it is, a minimum distance of 15 feet is needed from the distribution pipes to the slope break of the pad.
3. Septic tank inlet and outlet piping should be Schedule 40 PVC. The Check List Sheet does not call for this.

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

FL:nb
9-16-81

A.C



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 23, 1981

Mr. Robert Norton
Nelson Engineering
P.O. Box 1599
Jackson, WY 83001

RE: True Oil Company Small Wastewater
Facility, DEQ Permit #81-652R
"As-Builts"

Dear Mr. Norton:

The above referenced "as-built" plans have been reviewed and appear to meet minimum design standards. The "as-built" plans have been filed with the originally approved plans, as a matter of record.

Yours truly,

Francis LaBarge
Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Copy: Cheyenne DEQ/WQD

Richard Jenkins, Box 16, Alpine, WY 83127

Cheyenne

*Please put this with the plans
for # 81-652R.*

Thanks!

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-653R

Fox Park Subdivision
(Name of Facility)

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

V.P.E., Inc.
431 Main St.
Lander, WY 82520

to construct, install, or modify a water distribution system with pressure
tank

_____ facility according to the procedures and conditions of the

application No. 81-653R. The facility is located in _____

Sec. 12, T33N, R100W

_____ in the County of Fremont,

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

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

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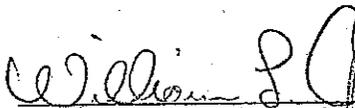
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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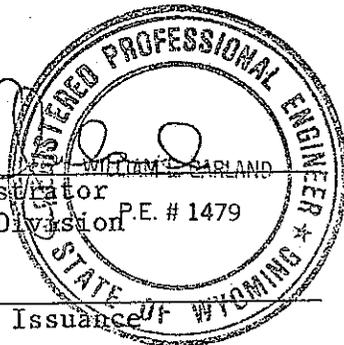
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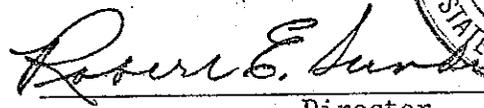
AUTHORIZED BY:



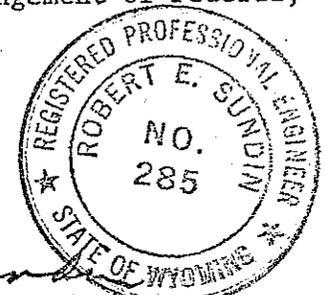
Adminisrator
Water Quality Division P.E. # 1479
March 5, 1982

Date of Issuance





Director
Dept. of Environmental Quality



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

JCH:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: FOX PARK SUBDIVISION

ENGINEER: William W. DeLapp
1406 W. Main Street
Riverton, WY 82501

OWNER: VPE, Inc.
c/o Jim Beaton
1406 W. Main Street
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 81-653R

REVIEWING ENGINEER: Jeff Hermansky



DATE OF REVIEW: December 2, 1981

ACTION: Not authorized.

COMMENTS:

In response to my October phone conversations with the project owner and an Eaton Metal Products representative, you have re-submitted the Fox Park Water System plans with changes.

My September 25th review noted that the pressure tank must be installed above ground, and be housed. As per my discussions, this requirement has been changed since the tank will be pressurized naturally from the artesian well to be used for water supply, and not be subject to pressure loss due to pump failure.

In review of your November 2 resubmittal, I have the following questions and comments.

- 1) Since a sight glass for determining water level in the pressure tank is not possible in a buried tank, another device must be specified. Eaton Metal has proposed using a tank gauge made by Dover Corporation, Model OPW 114-SW. Please show the location and the specification of the measuring device you plan on using.

AC

Review of Plans and Specifications - Fox Park Subdivision, DEQ #81-653R
Date of Review - December 2, 1981
Page 2

- 2) A manhole from the tank to the surface should be installed for access to the tank hatch, air valve, pressure gauge and level gauge.
- 3) The system must have by-pass piping and valves installed to allow water to flow from the well to the distribution piping while the pressure tank is out of service.

If you have questions, please feel free to call me.

JCH:nb
December 3, 1981

Money Deposit Box

OPW 821

OPW 821

The OPW 821 Life-Safer money deposit box is used to discourage theft and robbery at all-night service stations. It is designed to be locked with a padlock. Money is placed in the slot and caught inside the carbon steel body by a steel inner container. A plug is furnished to close the money slot should the station be temporarily closed. The deposit box is mounted on a carbon steel post, approximately 5 feet high.

Materials

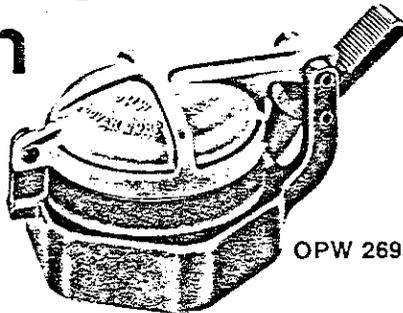
Body: carbon steel
Cover: ductile iron
Lock bar: carbon steel
Support post: carbon steel
Container: steel

OPW 821-B

The 821-B money deposit box is similar to the 821 above, except it has a bracket for mounting on an existing post.



Sanitary Tank Hatch



OPW 269

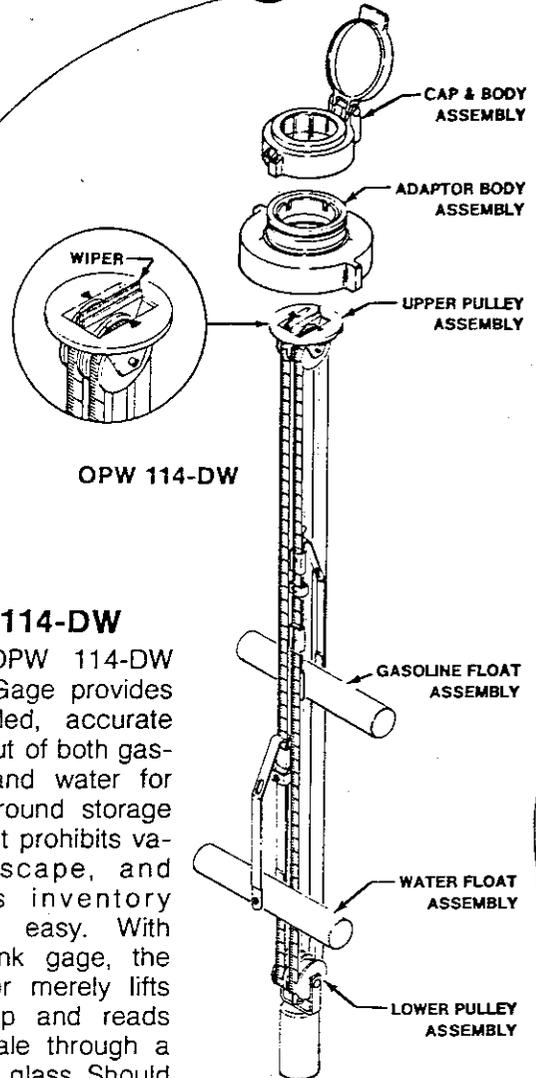
OPW 269

The OPW 269 is a foot operated, quick opening Sanitary Tank Hatch designed primarily for waste disposal of campers and travel trailers at service stations. The non-recessed design provides straight-through flow to eliminate entrapment of waste material.

Materials

Body: plated ductile iron

Tank Gages



OPW 114-DW

OPW 114-DW

The OPW 114-DW Tank Gage provides a sealed, accurate read-out of both gasoline and water for underground storage tanks. It prohibits vapor escape, and makes inventory control easy. With this tank gage, the operator merely lifts the cap and reads the scale through a viewing glass. Should condensate form on the underside of the glass, a turn of the cap wipes it clean.

These tank gages are for use in 4" riser pipes, and are pre-assembled at the factory. One man can install the 114-DW tank gage by using the furnished instruction sheet as a guide.

Materials

Body: hard coat aluminum
Cap: hard coat aluminum
Gaskets: buna-N
Pulley: Acetal
Tape: steel with epoxy paint

OPW 114-SW

Similar to OPW 114-DW above, except it indicates product level only.

DISTRIBUTED BY:

*Hermansky
210*



CORPORATION / OPW DIVISION

9393 PRINCETON- GLENDALE ROAD
P.O. BOX 40240 • CINCINNATI, OHIO 45240
TELEPHONE (513) 870-3100 • TELEX 21-4300 • CABLE NOZZLE CIN

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 3, 1981

V & P Enterprises, Inc.
431 Main Street
Lander, WY 82520

RE: Deer Park Subdivision

~~81-828~~ 81-653R

Gentlemen:

I have reviewed the plans of Deer Park's proposed water system. The system meets the minimum design standards and is, therefore, acceptable to this department.

The subdivision is to be served by the same well and pressure tank as Fox Park. I have just about completed my review of Fox Park, and expect the "Permit to Construct" to follow shortly.

If you have any questions, please feel free to call.

Respectfully,

A handwritten signature in cursive script, appearing to read "Jeff C. Hermansky".

Jeff C. Hermansky
Water Quality Engineer
Northwest District

JCH:nb

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: FOX PARK SUBDIVISION WATER SYSTEM

ENGINEER: William W. DeLapp
1406 W. Main Street
Riverton, WY 82501

OWNER: VPE, Inc.
1406 W. Main
Riverton, WY 82501
By: Jim Beaton

WATER QUALITY DIVISION REFERENCE NUMBER: 81-653

REVIEWING ENGINEER: Jeff Hermansky *JCH*

DATE OF REVIEW: September 25, 1981

ACTION: Not authorized.

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

1. Please reference the enclosed standards for pressure tank installations. The tank must be installed above ground and be completely housed.
2. The tank will need to be equipped with a water sight glass.
3. Please include specs on the air blow-off valve.
4. Submit a copy of the manufacturer's spec. sheet for the Plasite 7133 tank lining.
5. The tank manway appears to be too small to permit the entrance of a normal sized man. The standards recommends a 24" diameter access.
6. A Professional Engineer must sign all copies of the plan sheets.

If you have any questions, please feel free to contact either Robin Collins or me.

FL:nb
9/28/81

A.B.C

13-22-81

PERMIT TO CONSTRUCT

Permit No. 81-654R

- New
- Renewal
- Modified

AMERADA HESS CORP. FED. 1-9 WASTEWATER DISPOSAL SYSTEM
(Name of Facility)

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

Amerada Hess Corporation
P.O. Box 2040
Tulsa, OK 74102

to construct, install, or modify a sewage collection system, septic tank and leach field disposal

facility according to the procedures and conditions of the application No. 81-654R. The facility is located in Sec. 9, T. 29N, R. 117W

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

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

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

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

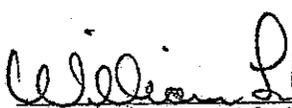
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

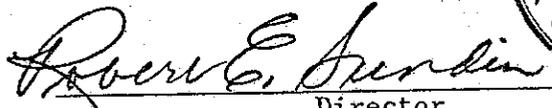
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AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division
October 2, 1981
Date of Issuance



Director
Dept. of Environmental Quality

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

FL:nb
10/5/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: AMERADA HESS CORPORATION, FED 1-9

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

OWNER: Amerada Hess Corporation
P.O. Box 2040
Tulsa, OK 74102

WATER QUALITY DIVISION REFERENCE NUMBER: 81-654

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

DATE OF REVIEW: September 21, 1981

ACTION: Not authorized.

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

1. A minimum slope of 2% is recommended for the service laterals from the risers to the main. Please show this on the detail.
2. A clean out is needed at the end of the 6" collector. A clean out detail is needed.
3. Construction specs are needed for the collection line.
4. Please show, on the Plan Sheet, the minimum separation distances between the sewage collection and disposal system and the well and water line.
5. A minimum horizontal separation distance of five feet must be maintained between sewer and water risers. This should be noted on the plans.
6. Will these facilities be located on an elevated pad? If so, there must be a minimum of 15 feet from the disposal field piping to the slope break of the pad.
7. You have indicated a ground slope of 5%. Excessive slopes may result in "daylighting" of effluent downslope. It is recommended that a side hill leach field be used. Enclosed is a detail sheet for a side hill leach field. Please make the necessary changes.

.../2

A, B, C

Review of Plans and Specifications

Amerada Hess Corporation, FED 1-9, DEQ #81-654

Date of Review - September 21, 1981

Page 2

8. The drawings should show that Schedule 40 PVC or Cast Iron pipe will be used for the septic tank inlet and outlet piping, as called for on the Check List Sheet.

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

FL:nb

9/21/81

Enclosure

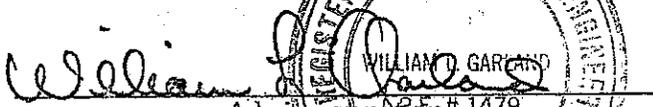
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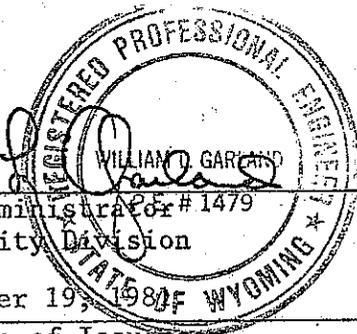
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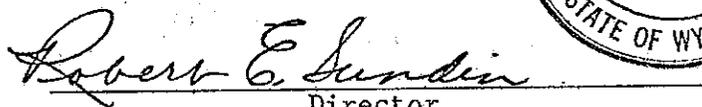
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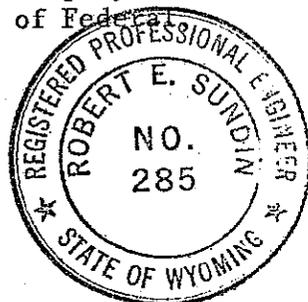
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AUTHORIZED BY:


WILLIAM J. GARCIA
Administrator # 1479
Water Quality Division
November 19, 1981
Date of Issuance




Robert E. Sundin
Director
Dept. of Environmental Quality



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

FL:db
11/20/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: D. W. JACOBSEN SEWER AND WATER LINE EXTENSIONS

ENGINEER: R. L. Jacobsen
P.O. Box 1900
Cody, WY 82414

OWNER: D. W. Jacobsen
c/o Surveyor Scherbel
P.O. Box 96
Big Piney, WY 83113

WATER QUALITY DIVISION REFERENCE NUMBER: 81-655

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

DATE OF REVIEW: October 2, 1981

ACTION: Not authorized.

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

General Comments

1. Is the proposed expansion located in a flood plain?
2. The cover letter indicates that the Block 18-19 and Block 26-27 extensions could serve 21 new homes, with the potential of receiving flow from 11 more homes. Sheet Number 1 shows a total of 32 spaces in Blocks 19 and 26, and 10 spaces being served by this expansion, with the potential to serve 22 additional units, in both Blocks 18 and 27. This is a discrepancy of 64 units. Please clarify.
3. Will the living units be stick-built homes or mobile homes? If they are mobile homes, a minimum horizontal separation distance of five feet must be maintained between the sewer and water risers. If this is the case, this should be noted on the plans and a typical water riser detail is needed.

.../2

A, B, C

Review of Plans and Specifications

D. W. Jacobsen Sewer and Water Line Extensions - DEQ #81-655

Date of Review - October 2, 1981

Page 2

Sewer System

4. A letter is needed from the Town of LaBarge stating they will allow the connection to their sewer system and that they can adequately treat the added organic and hydraulic loads.

5. Please indicate manhole rim elevations on the sewer line profiles.

6. A 0.1 foot drop is recommended through manholes, particularly those in which the flow channel changes direction. I am referring to MH B-1.

7. What is the slope of the manhole floor? This was apparently left off the drawings.

8. Manholes should be waterproofed on the exterior. The specs don't call for this.

9. It is recommended that 45° wyes be used to connect the service lines to the mains. If high ground water is present, this is a requirement. Glued saddles will not be approved under any circumstances.

10. What material is to be used for the sewer service lines. This pipe needs to be specified.

11. Deflection tests should be conducted after the final backfill has been in place at least 30 days. The specs should state this.

12. The specs should include a requirement for inspection of manholes for watertightness prior to placing into service.

Water System

13. A letter is needed from the Town of LaBarge stating they can adequately supply the required volumes of water at the required pressure of 20 psi under all conditions of flow.

14. What are the maximum and minimum static and dynamic pressures expected in the proposed water lines? The normal working pressure in the distribution system should be approximately 60 psi, and not less than 35 psi. The system should maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all conditions of flow. Calculations verifying the above are needed. The pressure in the existing line can most easily be determined at a fire hydrant.

15. Water line profiles are needed. This requirement may be waived if the area of installation is level, a note is placed on the drawings stating the line is to be installed on a uniform grade and at least six feet of cover will be maintained.

Review of Plans and Specifications

D. W. Jacobsen Sewer and Water Line Extensions - DEQ #81-655

Date of Review - October 2, 1981

Page 3

16. A blowoff valve detail is needed.

17. It is recommended that an additional tie into the existing system be made. If an existing line is available, this connection could be made on Fifth Avenue.

18. Although a typical thrust installation detail is provided, there is no requirement either on the plans or in the specs that thrust blocking is required.

19. Specifications are required for the fire hydrants, valves, tees, blowoff valves, valve boxes, copper service lines, etc.

20. A note on Sheet 3 states that the water line is to be pressure tested in accordance with AWWA C-600, but then states the test shall be for one hour at 100 psi. This does not agree with AWWA C-600. The leakage test should agree with AWWA C-600, also. The construction specs should reference AWWA C-600.

21. The construction specifications for disinfection of water mains should reference AWWA C-601 to agree with the notes on Sheet 3.

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

FL:nb

10/2/81



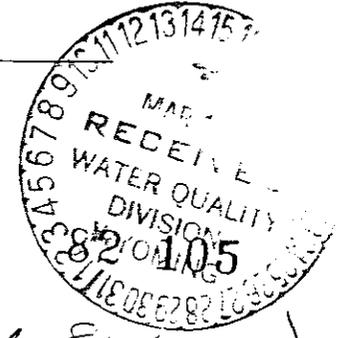
Chevron U.S.A. Inc.
700 South Colorado Blvd., P. O. Box 599, Denver, CO 80201

February 26, 1982

*replaced
w/ 82-105*

Chevron Carter Creek Gas Plant
Erosion Control Plan
Reference No. 81-656
Review Letter 9/17/81

Mr. Frank La Barge
Wyoming Department of Environmental
Quality
Water Quality Division
210 Lincoln Street
Lander, WY 82520



(Ref 81-656R)

Dear Frank:

Enclosed is a permit application for Chevron's Carter Creek Erosion Control Ponds. This application should replace the application previously submitted to your office. Recent changes in plant facilities have necessitated changes in the number, location and size of some of the erosion control ponds. It was decided that compiling a new permit application would be much less confusing than numerous amendments to the original application.

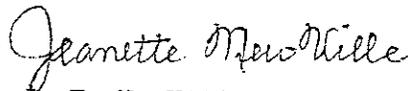
Points raised in your 9/17/81 review letter have been addressed in this new application. They are as follows:

1. A completed "Application for Permit to Construct" was forwarded to your office earlier. A copy is included in each new permit application notebook.
2. A reference to "Dams" has been added under the Type "B" Fill of the Site Preparation Specification (Section 3, Paragraph 10.1).
3. A section on "Pond Operations" has been added (Section 2, Part E). A statement concerning pond dewatering is included.
4. A statement concerning dredging of sediment has been added under "Pond Operations" (Section 2, Part E).
5. A staff gauge detail is shown on the sediment pond detail sheet (Drawing No. 653116-50-4-074, Sheet 1).
6. A statement concerning visual inspection and repair of ponds has been added under "Pond Operations" (Section 2, Part E).
7. Chevron has chosen the first option. Design details are included for each of the 5 erosion control ponds. Refer to the map pockets at the back of the notebook.
8. A statement concerning slope protection of dams has been added to Drawing No. 653116-50-4-074, Sheet 1. Slope protection will include riprap at overflow pipe outlets and revegetation of the slopes.
9. Watershed boundaries for all 5 ponds are shown on Drawing No. 653116-50-4-073.

February 26, 1982

- 10a. The soil series classification for this location is the Shavano Loam complex. A copy of the site specific soil survey which documents this classification is included in Section 5.
- 10b. Runoff volumes for the ponds have been calculated based on a hydrologic Soil Group C (as recommended by Don Lewis, Soil Scientist, Soil Conservation Service, Evanston, Wyoming) and CN number of 80 (as noted in your review letter). Use of a CN number of 70 was recommended by Lee Nelson, Area Engineer, Soil Conservation Service, Kemmerer, Wyoming. Use of the CN number of 80 results in a more conservative design.
11. The maximum dam slope has been changed to 3:1 (Drawing No. 653116-50 - 4-074) and pond volume calculations reflect this change.
12. The sediment delivery of 75% have been eliminated in favor of a very conservative 100% delivery rate. The calculations are shown beginning on Page 21 of Section 5.
13. A statement concerning visual inspection and repair of runoff collection channels has been added (Section 2, Part E).
14. A riprap specification has been added (end of Section 3).
15. Riprap spacing is addressed in the riprap specification in Section 3.
16. Each pond overflows to the natural channel on which it was built. Since the ponds are designed to completely contain a 10 year 24 hour storm and they will also be dewatered within 10 days after a significant precipitation event, we do not expect overflow. The overflow pipe is intended to channel flow so that dam washout will not occur in the event of a larger than 10 year storm.
17. Per John Wagner, an NPDES permit is not required for these ponds since they are designed to completely contain a 10 year 24 hour storm.

Yours very truly,



J. F. Newville
Staff Engineer, Environmental and
Proration

JFN:mar
Enclosure
cc: R. T. Wong

*Department of Environmental Quality**Water Quality Division*

210 Lincoln

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

J. M. F. Marshall
Chevron U.S.A., Inc.
700 South Colorado Blvd.
PO Box 599
Denver, CO 80201



September 30, 1981

RE: Chevron Carter Creek Gas Plant
Erosion Control Plan, DEQ Ref.
#81-656

Dear Ms. Marshall:

As of this date I have not received a complete reply to my September 17, 1981 review letter of the above referenced application. Please inform me, in writing, of when a reply can be expected. In addition, I would also like to know how long before Chevron submits the injection well application.

Yours truly,

Frank LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Tony Mancini - Groundwater Control Supervisor, Cheyenne DEQ/WQD
File (2)



*File back
Norma*

*Department of Environmental Quality
Water Quality Division*

210 Lincoln

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 30, 1981

J. M. F. Marshall
Chevron U.S.A., Inc.
700 South Colorado Blvd.
PO Box 599
Denver, CO 80201

RE: Chevron Carter Creek Gas Plant
Erosion Control Plan, DEQ Ref.
#81-656

Dear Ms. Marshall:

As of this date I have not received a complete reply to my September 17, 1981 review letter of the above referenced application. Please inform me, in writing, of when a reply can be expected. In addition, I would also like to know how long before Chevron submits the injection well application.

Yours truly,

A handwritten signature in cursive script that reads "Frank LaBarge".

Frank LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Tony Mancini - Groundwater Control Supervisor, Cheyenne DEQ/WQD
File (2)

Cheyenne
Utah

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: CHEVRON CARTER CREEK GAS PLANT EROSION CONTROL PLAN

ENGINEER: ?

OWNER: Chevron, U.S.A., Inc.
700 South Colorado Blvd.
P.O. Box 599
Denver, CO 80201

ATTN: Jeanette Marshall



WATER QUALITY DIVISION REFERENCE NUMBER: 81-656

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

DATE OF REVIEW: September 17, 1981

ACTION: Not authorized.

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

1. As we discussed on the phone, a copy of the "Application for Permit to Construct" was not enclosed with the plans. A copy of this review letter has not been sent to your engineers, as a result.
2. The Site Preparation Specifications do not call for the dams to be constructed in accordance with the Type "B" fill. They should.
3. A statement is needed under "Pond Operations" that all sediment ponds will be dewatered within ten days of a significant precipitation event.
4. The report calls for the sediment ponds to be dredged every three years. This means that the entire volume allotted to sediment will be filled at that time. We recommend that the sediment be cleaned from each pond when 60 percent of the pond's sediment holding capacity has been exhausted. A statement to this effect should be included under "Pond Operations."
5. A staff gauge should be installed in each pond so sediment volume and water depth can be easily determined. A detail is needed of this gauge. Wooden staff gauges are not recommended.

A, B, C

Review of Plans and Specifications

Chevron Carter Creek Gas Plant Erosion Control Plan, DEQ #81-656

Date of Review - September 17, 1981

Page 2

6. A statement should be included, under "Pond Operations," that a routine visual inspection will be conducted either after a major runoff event and/or on a quarterly basis. The inspection should include a check for embankment stabilization, breaching, breakdown and/or undercutting of any portion of the structure. Channel stabilization, riprap and headcutting should also be checked as well as the volume of sediment in the pond. If the pond, or its inlets or outlets, is found in need of repair, the pond should be repaired as soon as possible.

7. There are two options available to Chevron for the permitting of these ponds:

First, would be to submit details for each particular pond. A "Permit to Construct" would then be issued and no further information would be needed by DEQ, unless there is a change resulting in a major deviation from the approved plans.

The second option would be to submit a "typical" pond detail, providing each pond is located off channel. If this were done, you would be issued a general permit, which contains the following condition:

"Within 30 days following completion of construction of an individual facility, the permittee shall furnish the Water Quality Division with the following: a) the exact size, location and capacity of the facility, amount of disturbed area and other information used to size the facility, b) certification that the facility was constructed to meet the approved design requirements and sizing criteria."

The choice of which option to use is yours. Design details are needed for each pond or a typical pond. The detail(s) should show freeboard, outfalls, slope of fills and cuts, embankment, top width, etc.

8. No reference is made to slope protection of dams. It is recommended that salvaged topsoil be placed on the downstream slope of the dams and on the dam crests to an average depth of six inches. The area should then be seeded.

9. I do not see the watershed boundaries for sediment pond No. 5 on drawing SK-4-080-A. Please show it.

10. A review of the SCS method used to determine the amount of runoff has resulted in the following questions:

a. A site specific soil series classification is needed to verify the selection of Hydrologic Soil Group B.

Review of Plans and Specifications

Chevron Carter Creek Gas Plant Erosion Control Plan, DEQ #81-656

Date of Review - September 17, 1981

Page 3

b. The assumption that soil conditions in Uinta County are adequately represented by soil conditions in California is unacceptable. You have selected a very low CN number of 59, using Hydrologic Soil Group B. Past experience indicates a higher CN number is needed. Assuming a Hydrologic Soil Group of B, I would expect a CN of around 70 to 80 for AMCII. A preliminary calculation indicates a runoff of about 0.3 inches would occur using a CN of 80. Obviously this changes the entire size of each pond. A CN number of 59 will be accepted only if it can be justified, in detail, for the particular site of this application. An additional point for consideration is that in the interest of conservative design the CN number is usually converted from AMCII to AMCIII, which results in a higher CN number and a greater runoff volume. The runoff collection ditches calculations will also change.

11. The pond volume calculations show a dam with a slope of 2:1; we recommend a maximum slope of 3:1.

12. How was a sediment delivery of 75% arrived at? Please justify the claim that this is a conservative number.

13. It is requested that a statement be included in the application that the runoff collection channels will be checked for excessive erosion. If any is found, it will be repaired.

14. A riprap material and placement spec is needed.

15. The plans state riprap is to be placed in the runoff collection ditches at spaces dependent on the percent grade of the ditch. It should be called out in the specs exactly how this spacing is determined.

16. It is stated that the capacity of each pond is based on a water height up to the overflow pipe in the dam. Exactly where does each pond overflow to? This is not clear on the plans.

17. A NPDES Discharge Permit may be required for these ponds because of the potential threat to discharge. Please show the NPDES number on the application form, if it is required by John Wagner. He can be reached at (303) 777-7082.

Please submit the required information and revised drawings, in triplicate, to this office. This does not necessarily constitute the final review.

FL:nb
9/18/81

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

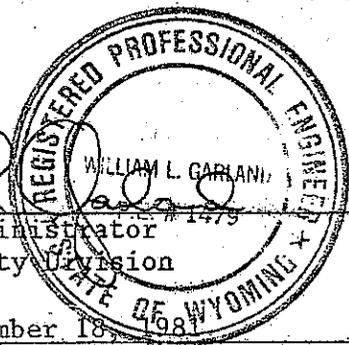
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

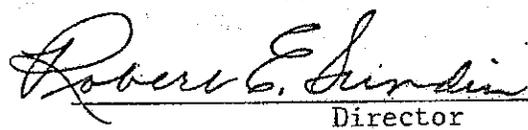
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

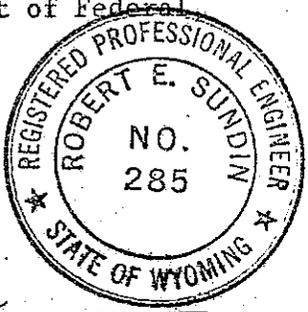
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


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




Director
Dept. of Environmental Quality



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

MRC:nb
9/18/81



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 29, 1985

Ralph B. Peterson
Attorney at Law
P.O. Box 849
Lyman, WY 82937

RE: Oilfield Wastewater Disposal Pond (81-658RR)
Sec. 28, T13N, R115W, Uinta County, Wyoming

Dear Mr. Peterson:

On June 10, 1985 and June 21, 1985 this office received letters from Flint Engineering and Construction Company and you (representing D and B Services, Inc.), respectively, informing of a change in ownership. Our records are being changed to reflect the owner of this facility as D and B Services, Inc.

This department does not require a permit to operate the existing facility. However, the facility must be operated in accordance with the intended design as authorized by "Permit to Construct" No. 81-658RR.

In the last two years this department has developed specific design standards and conditions which apply to oilfield wastewater disposal facilities. The applicable design standards can be referenced in Water Quality Rules and Regulations Chapter XI, Section 30. The conditions recommended for operating this facility are as follows:

1. No hazardous wastes as defined by the U.S. EPA or State of Wyoming shall be placed on this facility. Before any wastes, other than those specified by this permit, may be disposed of in this facility, authorization must be obtained from DEQ/WQD.

The design and construction at this facility was authorized for the disposal of oil well reserve pit fluids. Water Quality Rules and Regulations, Chapter III defines a reserve pit as a pit or pits directly supporting a well drilling operation which retains water, drilling muds, produced water and other liquids and solid wastes associated with drilling operations.

Ralph B. Peterson
July 29, 1985
Page Two

2. Operator records or log must be kept on each load brought to the facility including the hauler's name, source of the load, oilfield operator, wastewater composition, and volume of wastewater. These records shall be retained for inspection by DEQ/WQD personnel as needed.

3. Groundwater or subsurface monitoring wells. The results of all groundwater monitoring, sampling and analyses shall be submitted to: Tony Mancini, DEQ/WQD, Herschler Building, 122 W. 25th Street, Cheyenne, Wyoming, 82002 within 30 days following each sampling event.

As per my discussion with Ron Bolin and Dan Rinker on July 19, 1985, subsurface monitoring wells will be installed at this facility. If groundwater is encountered in these wells, a routine monitoring program acceptable to this department will have to be developed.

4. In the event that seepage or a leak is detected or suspected, the DEQ/WQD must be notified immediately. (DEQ/Water Quality Division, 210 Lincoln, Lander, Wyoming, 82520, 307-332-3144.) Investigative or mitigative measures must be accepted by the DEQ/WQD.

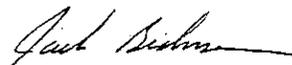
5. The DEQ/WQD shall be contacted prior to the reclamation of this facility. The method of reclamation must be accepted by this department.

If additional construction or modifications are planned for this facility, a "Permit to Construct," modify or install must be obtained from this department. A permit needs to be obtained for the permanent installation of an evaporation system.

To obtain a "Permit to Construct" three complete sets of plans, specifications and design information must be submitted along with an application form to this department. The plans and specifications must be signed by a registered Wyoming Professional Engineer.

I hope I have answered all your questions. If you have any questions, please feel free to contact me.

Sincerely,


Jack Bedessem
Area III Supervisor

JB/jw
copy: Cheyenne DEQ/WQD
D & B Services, Inc.
File (2)



Department of Environmental Quality
Water Quality Division

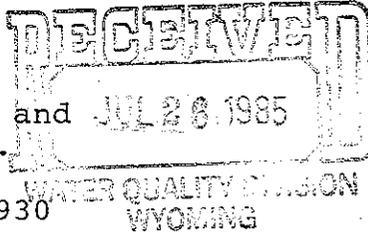
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 25, 1985

Mike Kovach
Flint Engineering and
Construction Co.
P.O. Box 807
Evanston, WY 82930



CERTIFIED P 399 271 359

RE: Oilfield Wastewater Disposal Pond (81-658RR)
Change of Ownership

Dear Mike:

On May 10, 1985 I sent you a letter of violation requesting that you investigate the possibility of seepage from the referenced evaporation pond, (Sec. 28, T13N, R115W, Uinta County, Wyoming). The data in your June 28, 1985 letter indicated that the decrease in the water level was apparently due to evaporation.

As per my discussion with D & B Services, Inc. on July 19, 1985 they have agreed to install two subsurface monitoring wells. The purpose for installing these wells will be to investigate and monitor subsurface conditions. For these reasons the case regarding this violation has been closed.

On June 10, 1985 and June 21, 1985 this office received letters from Flint Engineering and Construction Company and Ralph B. Peterson (representing D & B Services, Inc.), respectively, informing of a change in ownership. Our records have been changed to reflect the owner of this facility as D & B Services, Inc.

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

Sincerely,


Jack Bedessem
Area III Supervisor

JB/jw

copy: Cheyenne, DEQ/WQD
Ralph Peterson
D & B Services, Inc.
File (2)

11 5 81

PERMIT TO CONSTRUCT

New

Permit No. 81-658RR

Renewal

Modified

FLINT ENGINEERING WASTEWATER EVAPORATION POND

(Name of Facility)

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

Flint Engineering & Construction Co.

Almy

Evanston, Wyoming 82930

to construct, install, or modify a wastewater evaporation pond for the disposal
of wastewater from oil well reserve pits

facility according to the procedures and conditions of the
application No. 81-658RR. The facility is located in

Sec. 28, T. 13N, R. 115W

in the County of Uinta,

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

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

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

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

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

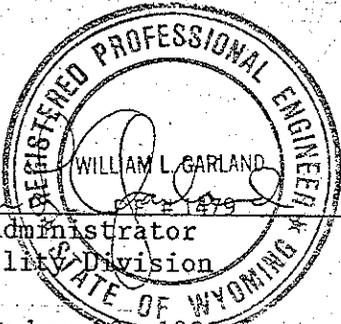
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

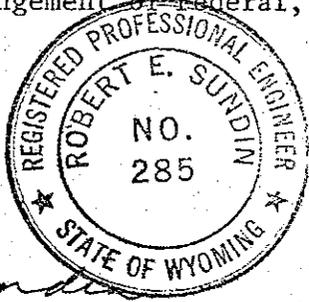
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division

October 23, 1981
Date of Issuance


ROBERT E. SUNDIN
Director
Dept. of Environmental Quality


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

FL:nb
10/26/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: WASTEWATER EVAPORATION POND

ENGINEER: John L. Anderson
AVI Engineering
7300 Yellowstone Road
Cheyenne, WY 82001

OWNER: Flint Engineering and Construction Co.
Almy
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-658 R

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

DATE OF REVIEW: September 30, 1981

ACTION: Not authorized.

COMMENTS: Your request to change the application from a temporary to permanent facility has been noted. A review of your submittal was conducted accordingly. The following points remain to be clarified before a "Permit to Construct" can be issued.

1. Any impoundment diversion or use of surface or underground water must have clearance of the Office of the State Engineer. On the application I have noted the State Engineer has not reviewed this project. Please request that he do so.
2. A mass balance calculation is needed verifying the proposed evaporation pond has adequate capacity.
3. A minimum of three feet of freeboard should be provided for. The high water level should be shown on the plans and only the area beneath this line used in the pond volume calculations.
4. How was the liner thickness of 18 inches arrived at? The liner thickness should be determined from the results of the permeability tests and the following formula:

.../2

41C

$$K = 3.0 \times 10^{-9} \cdot L$$

K = Coefficient of permeability in centimeters per second of the proposed liner material

L = Thickness of the proposed liner material in centimeters

5. The soils report does not provide soil profiles for the area of the pond nor does it show the location of the percolation tests and depths of the test holes. This information is needed.
6. Liner installation specs are needed. They should agree with the results of the testing program (i.e., thickness, compaction and moisture content).
7. Are there any existing wells within a mile radius of the pond site? If so, what are the wells used for, and what are the static water levels in the well(s)?
8. A splash pad is needed at the discharge point of the inlet pipe.
9. The inlet pipe should terminate a minimum of ten feet from the inside toe of the dike and be securely anchored.
10. Material specs are needed for the inlet pipe.
11. It is recommended that a concrete collar be placed around the inlet pipe. A cap should also be provided.
12. Please show the drain ditch on the profile.
13. Some provisions, such as seeding, should be made for dike erosion control.
14. The specs should clearly identify the source of the liner material.

Please submit the required information and revised drawings, in triplicate, to this office. A review of your reply will also be conducted by our Groundwater Section. Therefore, this is not necessarily the final review. If you have any questions, please call me.

FL:nb
10/1/81

Copy: Tony Mancini, Groundwater Control Supervisor, Cheyenne DEQ/WQD

Cheyenne
Winter

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: TEMPORARY WASTEWATER EVAPORATION POND

ENGINEER: John L. Anderson
AVI Engineering
7300 Yellowstone Road
Cheyenne, WY 82001

OWNER: Flint Engineering and Construction Co.
Almy
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-658

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: September 15, 1981

ACTION: Not authorized.

COMMENTS: Your request for a temporary drilling fluid reserve pit has been reviewed. Before a temporary permit can be issued, the following points need to be pointed out and/or resolved.

1. A figure of 8.33 gallons/ft³ was used to calculate the pond area needed. A figure of 7.481 gallons/ft³ should have been used, instead. My calculations indicate a pond volume of 360,000 gallons is needed (i.e., 30 days x 12,000 gpd). The pond shown on the plans calculates out to a volume of 481,537 gallons, which is more than adequate. Since this is a temporary pond, a mass balance isn't needed.
2. A 3:1 slope should be used on the exterior bank of the dikes.
3. Detailed dike construction specifications are needed.
4. A detailed liner specification is needed.
5. The plans should show a layer of sand or equivalent material four to six inches thick under the liner, to protect it from punctures.
6. Anchor trench details are needed.
7. Some type of splash pad is needed where the discharge into the pond is to take place. It should be shown on the plans.

AIC

Review of Plans and Specifications
Temporary Wastewater Evaporation Pond, DEQ #81-658
Date of Review - September 15, 1981
Page 2

8. Flagging is needed across the ponds to keep birds off. It should be shown on the plans.

9. If this pond is to become a permanent part of a larger facility, it should be fenced.

Please submit the required information and revised drawings, in triplicate, to this office. Upon receipt of a satisfactory reply a temporary 30-day permit will be issued.

Please be aware that if, during the review of the permanent facility, any deficiencies are noted with this pond as a result of additional information, this office may request modifications to the pond if it is to become part of the permanent facilities.

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

FL:nb
9-16-81

10-13-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-659R

SEWER LINE EXTENSION - BEESLEY SUBDIVISION
(Name of Facility)

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

Del Beesley

Box 957

Jackson, WY 83001

to construct, install, or modify a sewer line extension

facility according to the procedures and conditions of the

application No. 81-659R. The facility is located in Sec. 35, T. 41N, R. 116W

in the County of Teton,

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

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

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

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

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

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

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

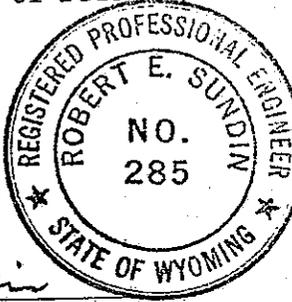
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


William L. Garland
Administator P.E. #1479
Water Quality Division
September 25, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL:nb
9/28/81

Cheyenne
Teton

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: SEWER LINE EXTENSION -- BEESLEY SUBDIVISION

ENGINEER: Robert Norton
Nelson Engineering
Box 1599
Jackson, WY 83001

OWNER: Dell Beesley
Box 957
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-659

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge



DATE OF REVIEW: September 16, 1981

ACTION: Not authorized.

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

1. A letter is needed from the Town of Jackson allowing the tie-in to their system and stating they are capable of treating the additional sewage from this subdivision.
2. Verification is needed that the existing sewer lines can adequately handle this additional flow.
3. Is the proposed line in a flood plain?
4. A "Permit to Construct" will be required for the relocation of the water line. Please verify to this office that the Town has been made aware of this.
5. The notes on Sheet 3 of 3 call for the sewer pipe to be PVC SDR-35. Do you mean ASTM D3034-SDR35 pipe? Please indicate this on the plans.
6. Sheets 2 and 3 should be signed by the engineer.

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

FL:nb P.S. A copy of the plans should be sent to Joe Chalfant, Teton County
9/16/81 Sanitarian, for his review.

A.B.C

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-660R

GATEWAY, INCORPORATED
(Name of Facility)

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

Gateway, Inc.
P.O. Box 759
Rock Springs, WY 82901

to construct, install, or modify a sewer main

facility according to the procedures and conditions of the application No. 81-660R. The facility is located in Sec. 34, T. 19N, R. 105W.

in the County of Sweetwater,

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

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

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

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

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

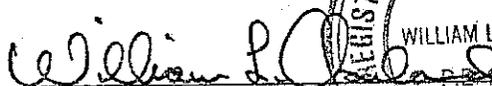
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

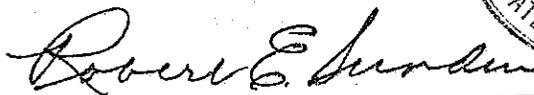
AUTHORIZED BY:


WILLIAM L. GARLAND
1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

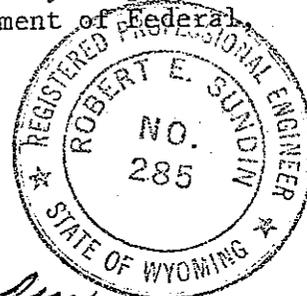
Administrator
Water Quality Division

December 4, 1981

Date of Issuance



Director
Dept. of Environmental Quality



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

AB:nb
12/4/81

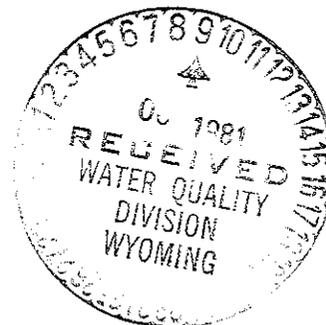
Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: GATEWAY, INC.

ENGINEER: Bennett-Carder & Associates, Inc.
P.O. Box 1324
Rock Springs, WY 82901

OWNER: Gateway, Inc.
P.O. Box 759
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 81-660

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: October 6, 1981

ACTION: Not authorized.

COMMENTS:

The above referenced plans have been reviewed. However, the letter from the city does not address their capability of treating the sewage generated from this project. A letter which addresses this capability needs to be obtained. The permit must be held until the letter is received.

AB:nb
10/7/81

A.C



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 18, 1982

Harry Moore
Johnson, Fermelia & Crank
PO Box 1633
Rock Springs, WY 82901

RE: Little America Lagoon System
81-661RR, C.O. #1

Dear Mr. Moore:

Rich Ruyle was transferred to Sheridan, Wyoming as of February 1, 1982. In his place, I have reviewed the revised layout of the lagoon system for Little America.

It appears that the changes are basically layout and that the individual size changes in the perc ponds will enhance operational flexibility. Therefore, the change is accepted as part of the original permit as shown on the revised drawing.

Respectfully,

A handwritten signature in cursive script that reads "Albert J. Berreth".

Albert J. Berreth
Area III Supervisor

AJB:ch

cc: Permittee
File (4)

1-12-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-661RR*

*Conditions on back

Little America West Wastewater Facility
(Name of Facility)

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

Little America West
P.O. Box 1
Little America, WY 82929

to construct, install, or modify a upgraded existing primary lagoon and new secondary and percolation lagoons

facility according to the procedures and conditions of the application No. 81-661RR*. The facility is located in Sec. 17, T.18N., R.110W.

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

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

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

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

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

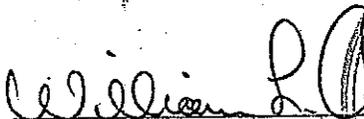
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

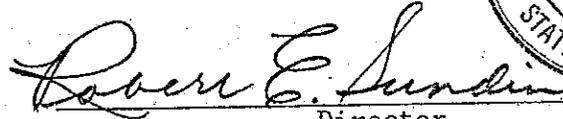
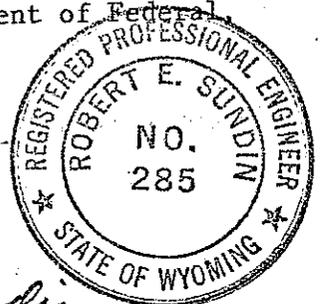
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator P.E. # 1479
Water Quality Division
December 22, 1981
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality


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

RR/dl

*Conditions of permit are:

1. If erosion of the dikes by wave action becomes evident where rip-rap is not in place, then rip-rap or other suitable means of abating erosion will be provided.
2. Construction of non-discharging facility will be completed no later than August 1, 1982.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: LITTLE AMERICA WEST SEWAGE TREATMENT FACILITY

ENGINEER: Harry L. Moore
Johnson - Formelia and Crank
P.O. Box 1633
Rock Springs, WY 82901

OWNER: Little America West
P.O. Box 1
Little America, WY 82929

WATER QUALITY DIVISION REFERENCE NUMBER: 81-661R

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: December 3, 1981

ACTION: Not authorized.

COMMENTS:

- 1.) Slide gates should be provided at the inlets and outlets to the transfer structures so that structures can be isolated if need be. Specifications should also be supplied for the slide gates.
- 2.) Covers for the transfer structures should be shown on the plans. Either wooden planks or noncorrosable grating is suitable.
- 3.) A note should be included on P. 4 that adequate seal be provided below the bottom of the influent lines to the primary and secondary lagoons.
- 4.) Why are the influent and effluent pipes to the transfer structures not extended ten feet beyond the toe of the dikes as in the original submit-tal? The pipe can lay on the bottom of the lagoon with a two foot vertical "standpipe" for vertical withdrawal at the end of the influent line and a splash pad at the end of the effluent line. Extending the ef-fluent transfer pipes towards the center of the percolation lagoons is particularly desirable.
- 5.) If rip-rap is not provided for the lagoons, a condition of the permit will be that if erosion of the dikes from wave action becomes evident, rip-rap or other suitable means of abating the erosion will be provided.

Review of Plans and Specifications for Little America West Sewage Treatment Facility, DEQ 81-661R

Date of Review: December 3, 1981

Page 2

- 6.) A flow measuring device for the influent will not be a requirement.
- 7.) A permit will be issued when the above items have been addressed. The groundwater section in Cheyenne has already given their approval for the project.

RR/dl
12/3/81



Sweetwater

*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: Rich Ruyle
Department of Environmental Quality
Water Quality Division
210 Lincoln Street
Lander, Wyoming 82520

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

FROM: R. J. Lennox, Engineering Evaluator *RJL*

DATE: November 20, 1981

SUBJECT: Little America West Wastewater Facility Application
(81-661, 81-661R)

- 1) A review of subject application with ammended information has uncovered no significant groundwater concerns. Therefore, a no comment response is submitted.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: LITTLE AMERICA WEST SEWAGE LAGOONS

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

OWNER: Ed Box
Little America West
P.O. Box 1
Little America, WY 82929

WATER QUALITY DIVISION REFERENCE NUMBER: 81-661

REVIEWING ENGINEER: Rich Ruyle

DATE OF REVIEW: October 15, 1981

ACTION: Not authorized.

COMMENTS: The following items need to be resolved prior to issuance of a "Permit to Construct":

- 1) Construction specifications are needed for the dikes and pond bottoms (not including seal). They should be constructed of relatively impervious material. (It is questionable whether the native soil is suitable, having a percolation rate of 30 min./inch.) and compacted at or up to four percent above the optimum water content to at least 90 percent Standard Proctor Density. Embankments and pond bottoms should be free of vegetation.
- 2) Material specifications are needed for the primary and secondary lagoon seals. The thickness of the clay seal and coefficient of permeability in centimeters/second are needed. The coefficient should not exceed the value derived from $3.0 \times 10^{-9} L$ where L equals the thickness of the seal in centimeters. Again, native soil may not be suitable for this application.
- 3) The calculated disposal rate by percolation of 62,229 gpd on page 2 of the Engineering Report should actually be 51,531 gpd.

A, B, C

Review of Plans and Specifications

Little America West Sewage Lagoons, DEQ #81-661

Date of Review - October 15, 1981

Page 2

- 4) Can you provide the data recorded for each perc test, including the location and number of tests?
- 5) "Ten State Standards" specifies at least 180 days detention time between the two foot and the maximum operating depth of the pond system. To achieve this, the pond area or depth would have to be increased.
- 6) Details are needed on how the water level will be controlled in the lagoons. Including adjustable weirs in the transfer structures is more appropriate than just valves. You should include calculations on the hydraulic capacity of the transfer piping.
- 7) How is the transfer piping between lagoons supported two feet above the lagoon bottom? The intakes of the piping should employ vertical withdrawal.
- 8) There should be the capability to bypass the secondary lagoon.
- 9) More detail is needed on where the discharge aprons are located in relation to the ends of the influent lines.
- 10) It should be specified that the influent lines to the primary and secondary lagoons be located so that the top of the pipe is just below the average elevation of the pond seal. There should also be adequate seal below the bottom of the pipe.
- 11) Surcharging manhole 0 + 00, as you propose in the profile drawings, is unacceptable. It should be a regular flow-through manhole with its outlet invert at least six inches above the maximum operating level of the lagoons.
- 12) Influent flow measurement consisting of at least a calibrated flume is required.
- 13) Pond level gauges should be provided.
- 14) Pond drains are needed, either by gravity or pumping, to allow for complete emptying of the ponds.
- 15) I do not understand the first sentence in Paragraph Two on Page Two of the Engineering Report.
- 16) Is there an access road to the lagoons?
- 17) The elevation, quality, and direction of movement of the groundwater must be determined. Also, the distance to any wells in the area.

Review of Plans and Specifications
Little America West Sewage Lagoons, DEQ #81-661
Date of Review, October 15, 1981
Page 3

- 18) Final approval of the project is dependent upon a review by our Ground-water Section, in Cheyenne.
- 19) Three copies are needed of the drawings, specifications, and Engineer's Report.

Feel free to call me with questions.

RR:nb
10/19/81

Copy: Tony Mancini, Cheyenne DEQ/WQD

10-2-61

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-662

SEE SPECIAL CONDITION

Lineweber-Stalkup
(Name of Facility)

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

Klein Plumbing Company

5011 Alcova Route, Box 19

Casper, WY 82601

to construct, install, or modify a industrial subsurface wastewater disposal facility according to the procedures and conditions of the application No. 81-662. The facility is located in Block 4, Lot 6, Brooks-Hat Six Industrial Park, Section 9, T33N, R78W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

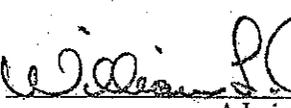
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

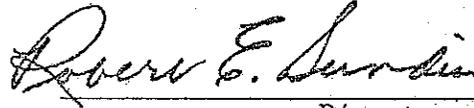
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

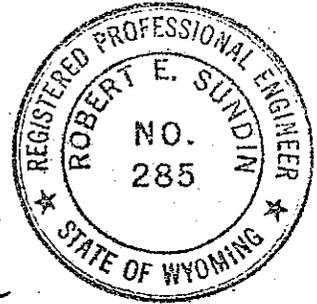
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


WILLIAM L. GARLAND
1479
Administrator
Water Quality Division
STATE OF WYOMING
September 28, 1981
Date of Issuance


Director
Dept. of Environmental Quality



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

cc: Gray Wangelin
E.I.T.S.
P.O. Box 4075
Casper, WY 82604

Conditions to Permit to Construct

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

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-663

SEE SPECIAL CONDITION

John Leroux Shops
(Name of Facility)

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

Klein Plumbing Company

5011 Alcova Rt., Box 19

Casper, WY 82601

to construct, install, or modify a two subsurface sewage disposal facilities according to the procedures and conditions of the application No. 81-663. The facility is located in Section 32, T34N, R79W in the County of Natrona, in the State of Wyoming.

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

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

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

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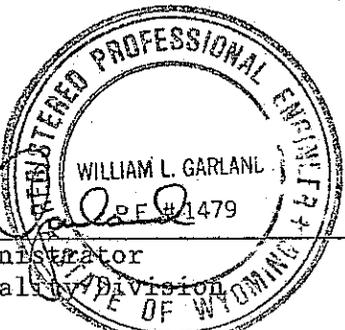
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

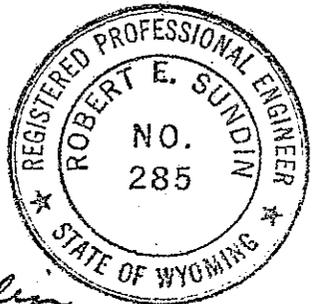
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING
September 21, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Gray C. Wangelin
E.I.T.S.
Box 4075
Casper, WY 82604

Conditions to Permit to Construct

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



9. 29-81
Converse

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Charles A. Porter
FROM: Bill Ewen and Ted Coyer *WSE TC*
DATE: September 28, 1981
SUBJECT: Review of Dave Johnson Power Plant - Ash Disposal Plan, DEQ/WQD Ref. No. 81-664

The background monitoring well system appears inadequate to establish representative groundwater quality in the area north of "Ash Mountain". Therefore, a well should be added in that area.

Detailed plans for construction of the proposed holding pond and related piping was not included with the information you forwarded to us. The following information must be submitted for review:

1. What is the distance between the seasonally high groundwater table and the bottom of the proposed disposal system?
2. What are the compaction requirements of the proposed liner. Verification that the liner can meet a permeability of 10^{-7} cm/sec must be provided.
3. Details of the inlet and outlet piping and control structures (i.e., location, installation, specifications and protection) must be submitted.
4. What are the slopes of the dikes?
5. The disposal area liner must be placed on the interior slopes as well as on the bottom.
6. The plans must be signed or sealed by a Wyoming registered engineer.

BE/TC/nc



Department of Environmental Quality

SOLID WASTE MANAGEMENT

401 WEST 19TH STREET
EQUALITY STATE BANK BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307-777-7752

October 28, 1981

WQD
Ref. No. 81-464

Mr. Gordon H. Strom
Plant Manager
Pacific Power & Light Company
Dave Johnston Plant
P. O. Box 580
Glenrock, WY 82637



Dear Mr. Strom:

This letter is in response to your letter and permit application dated September 8, 1981, in which you apply for approval to construct, operate and reclaim a wastewater pond on Ash Mountain at the Dave Johnston Plant.

I have enclosed a copy of comments that we have received from the Department's Water Quality Division on your application. Although we do not have additional comments, I would like to emphasize that we agree with the Water Quality Division's comments regarding the adequacy of the background well B1. Our analysis of the data submitted to date, and our review of your letter of June 15, 1981, does not convince us that well B1 is an accurate indicator of background water quality in the area of Ash Mountain.

Should you have any questions regarding this request for additional information, please give me or Dave Finley of my staff a call. We would be pleased to schedule a meeting with you and with the staff of the Water Quality Division, should you feel that is necessary.

Sincerely yours,

CHARLES A. PORTER
Supervisor
Solid Waste Management

CAP:DAF:jiz

C: Mr. Bill Ewen, WQD
Mr. Ted Coyer, WQD ✓

Enclosure

*Department of Environmental Quality**Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Charles A. Porter

FROM: Bill Ewen and Ted Coyer *WSE TC*

DATE: September 28, 1981

SUBJECT: Review of Dave Johnson Power Plant - Ash Disposal Plan, DEQ/WQD Ref. No. 81-664

The background monitoring well system appears inadequate to establish representative groundwater quality in the area north of "Ash Mountain". Therefore, a well should be added in that area.

Detailed plans for construction of the proposed holding pond and related piping was not included with the information you forwarded to us. The following information must be submitted for review:

1. What is the distance between the seasonally high groundwater table and the bottom of the proposed disposal system?
2. What are the compaction requirements of the proposed liner. Verification that the liner can meet a permeability of 10^{-7} cm/sec must be provided.
3. Details of the inlet and outlet piping and control structures (i.e., location, installation, specifications and protection) must be submitted.
4. What are the slopes of the dikes?
5. The disposal area liner must be placed on the interior slopes as well as on the bottom.
6. The plans must be signed or sealed by a Wyoming, registered engineer.

BE/TC/nc



Bill E.

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 4, 1981

Mr. Jeff Smith, City Engineer
P.O. Box 3003
Gillette, WY 82716

metro -3

#81-665
RE: Application for Permit to Construct
Sludge Management Program
Gillette, Wyoming

Dear Jeff:

We have reviewed the subject application which has been submitted by HDR on behalf of the City of Gillette.

The permitting of a municipal sludge landspreading facility is a new undertaking for the Department of Environmental Quality. After review of State Rules and Regulations and discussion with the Solid Waste Management section of the Department of Environmental Quality, we have concluded that the Water Quality Division's authority to regulate the operation of a land spreading facility lies in the N.P.D.E.S. permit process.

The N.P.D.E.S. discharge permit contains a paragraph which can require a discharger to present a sludge disposal plan which then becomes a part of the discharge permit.

Therefore, we are requesting that the City pass a resolution adopting the Sludge Management Program as proposed by the consulting engineer. However, the following changes or additions are required before the Sludge Management Plan is acceptable to this office:

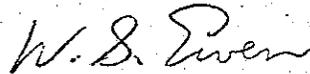
1. Chemical monitoring of the water table aquifer must take place to comply with Water Quality Rules and Regulations Chapter VIII, which covers protection of our groundwater resources. The "classification" of the groundwater that may be affected by the landspreading operation must be established. A monitoring program should be proposed and a sampling schedule will be established by this office after review. I have enclosed a copy of Chapter VIII for your use.

Mr. Jeff Smith
Page Two
November 4, 1981

2. A record-keeping system should be proposed for the land-spreading operation.
3. It should be specified that quarterly reports will be submitted to the Department of Environmental Quality outlining the operational parameters and analyses obtained for the quarter.
4. A discussion of the wintertime operation of the sludge-disposal system should be contained in the Sludge Management Program report. In addition, more information is needed on average and extreme ground slopes in the application area, limitation of access to the area, and method and timing of sludge application.
5. In general, the wording and tone of the report should be changed from that of recommendations to definite statements of how the program will operate. For example, the word "suggested" should be eliminated from the sludge analysis schedule presented on Page 11.

If you have any comments or questions, please contact me.

Sincerely yours,



William S. Ewen
Engineering Evaluator

WSE/sk

Enclosure

cc: John Wagner, DEQ - Cheyenne
Tom Mueller, DEQ - Sheridan
Jake Strohman, DEQ - Cheyenne
Chuck Plummer - HDR - Omaha

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

April 8, 1983

CERTIFIED

Mr. Gary O. Weiss, Engineer
13 American Lane
Gillette, Wyoming 82716

Dear Mr. Weiss:

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 are:

Facility name:	Heritage Village Water Well #3
DEQ/WQD Reference Number:	81-666R
Engineering Consultant:	Gary O. Weiss
DEQ/WQD Review Engineer:	Tom Mueller
Date of DEQ/WQD Review:	February 24, 1982

Please indicate below the status of your application 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 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks:



Campbell



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

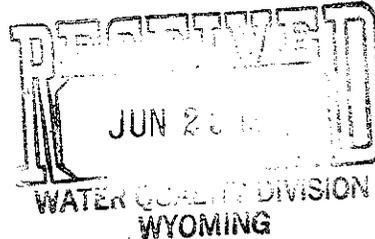
Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

June 20, 1983



Mr. Gary O. Weiss
13 American Lane
Gillette, Wyoming 82716

Reference Number 81-666RR

Dear Mr. Weiss:

We have received your drawing of the chlorination modifications at the Heritage Village Pumphouse, which completes the submittals necessary for Heritage Village Water Well #3. I have reviewed the drawings and inspected the facility and it meets the minimum requirements of this agency.

You may consider the installation of the well and other modifications to the system approved. No Permit to Construct will be issued, however, since the work has already taken place.

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

Yours truly,

Handwritten signature of Tom Mueller in cursive.

Tom Mueller
District Supervisor

TM:ls

xc: Norma Coulson
Perry Libby

THE STATE OF WYOMING



Norma - for your info.

81-666 "HOLD" status rec'd 9/24

ED HERSCHLER
GOVERNOR

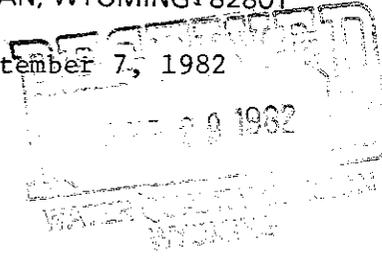
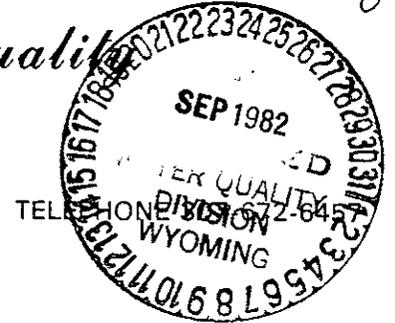
Lea

Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

September 7, 1982



Mr. Gary O. Weiss, Engineer
13 American Lane
Gillette, Wyoming 82716

Dear Mr. Weiss:

Our records indicate your application for a permit to construct the Heritage Village Water Well #3, DEQ Reference Number 81-666R, has not been resubmitted to this office. Please indicate below the status of your application.

- The application will not be resubmitted. The application is to be removed from DEQ files.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction.
- Other remarks NEW PUMP HOUSE + CL₂ ROOM PLANS WILL BE SENT TO YOU ASAP. — Perry Libby

If this letter is not returned within 30 days, your application will be removed from our files.

Sincerely,

Lea Stoneburner

Lea Stoneburner
Administrative Assistant

ls

Attachment: Review of plans dated 2/14/82

CERTIFIED MAIL - RETURN RECEIPT REQUESTED



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

September 7, 1982

Mr. Gary O. Weiss, Engineer
13 American Lane
Gillette, Wyoming 82716

Dear Mr. Weiss:

Our records indicate your application for a permit to construct the Heritage Village Water Well #3, DEQ Reference Number 81-666R, has not been resubmitted to this office. Please indicate below the status of your application.

- _____ The application will not be resubmitted. The application is to be removed from DEQ files.
- _____ The application will be resubmitted within 30 days.
- _____ The facility has been constructed, or is under construction.
- _____ Other remarks _____.

If this letter is not returned within 30 days, your application will be removed from our files.

Sincerely,

Lea Stoneburner
Administrative Assistant

ls

Attachment: Review of plans dated 2/14/82

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Heritage Village Water Well #3

ARCHITECT OR ENGINEER: Gary O. Weiss, P.E.
13 American Lane
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-666R

REVIEWING ENGINEER: Tom Mueller *T.M.*

DATE OF REVIEW: February 24, 1982

ACTION: Not Authorized

COMMENTS:

The responses made to Mr. Kim's questions on the earlier review have been received and are adequate except in one matter.

Current Water Quality Division policy requires that chlorination equipment be installed on all new public water supplies, although we do not require that it be operated on a continuous basis. The original well at Heritage Village was completed prior to adoption of this policy, but it does apply to this new well.

Since means for providing the proper detention is already available (i.e., the storage tank), I suggest that the chlorination equipment be connected at that point. Since safety facilities necessary for handling chlorine gas do not exist at the site, and I presume that chlorination will not be regularly practiced, a simple metering pump and storage tanks for the chlorine solution would be sufficient. If you can specify these facilities and show the location on the drawing, a permit can be issued.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Heritage Village Water Well #3

ARCHITECT OR ENGINEER: Gary O. Weiss, P.E.
13 American Lane
Gillette, Wyoming 82716

WATER QUALITY DIVISION 81-666
REFERENCE NUMBER:

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

DATE OF REVIEW: October 29, 1981

ACTION: Not Authorized for Construction (see the comments)

COMMENTS:

- 1) Please indicate the well yield and static water level. Additionally, chemical and bacteriological analyses of the well water should be supplied to us upon completion of the well.
- 2) Design information of the well pump is needed. Depth of the pump setting and the means to prevent the pump from running dry should also be addressed.
- 3) Will the well water be disinfected? If so, where and how?
- 4) Manufacturer's information of the pitless adaptor and sanitary well seal should be provided. Is a vent provided for the casing? Lack of a vent tends to cause leaks around the casing seal.
- 5) Details of casing pipe are needed (i.e., material, diameter thickness, weight per foot, specifications, etc.).
- 6) Please indicate size and material of the drop pipe.
- 7) Please show the appurtenances to be equipped with the discharge pipe of the well pump (i.e., valves, meter, etc.)
- 8) An adequate thrust blocking is needed at the 90° bend of the 4" water line. Show the details.
- 9) Two (2) sets of plans and accompanying information should be submitted.

xc: Mike Hackett, WQD Cheyenne



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 24, 1985

Norval D. Johnson
P.O. Box 1030
Laramie, WY 82070

RE: Construction Permit #81-667

Dear Mr. Johnson:

In response to your June 7, 1985 letter, your construction permit #81-667 is valid until December 16, 1985. If the project is not complete by that time, you will be required to submit a request for the renewal of the permit to continue working on the project. By not applying for the renewal, the project essentially goes on hold until you desire to complete it. If the project is put on hold for a long time, we may request to review the plans to make sure they would meet all current regulations.

Sincerely,

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

Thomas S. Norman
Water Quality Engineer

TSN/nc

NORVAL D. JOHNSON

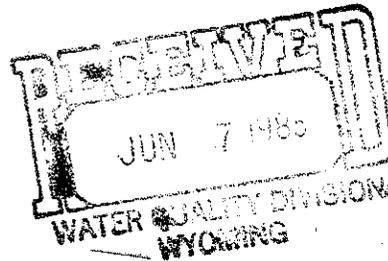
CONTRACT HAULING
FLOATS AND LOWBOY

P.O. Box 1030
~~R.F.D. 2, Box 152~~

Laramie, Wyoming 82070

Phone 742-2353

STATE OF WYOMING
D. E. Q.
WATER QUALITY DIVISION
HERSHLER BLDG
CHEYENNE, WYOMING



GENTLEMEN:

In Re Permit # 81-667

I realize I am awful late in writing this letter but doing to the economy and the difficulty I ran into with the Laramie council I have done no work on my subdivision and don't plan on doing any. Would there be any chance of putting a hold on this project, dating back to May 1984 and maybe someone might come along and want to complete it.

In the above paragraph I ment to say I had done no more work on my subdivision since May of 1984.

SINCERELY,


NORVAL D. JOHNSON

P. O. BOX 1030

LARAMIE, WYO. 82070

12-2

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-667

Knoll Addition
(Name of Facility)

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

Norval D. Johnson

P.O. Box 1030

Laramie, WY 82070

to construct, install, or modify a sanitary sewer and potable water distribution facility according to the procedures and conditions of the application No. 81-667. The facility is located in Sections 4 and 9, T15N, R73W 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.

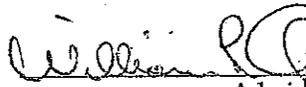
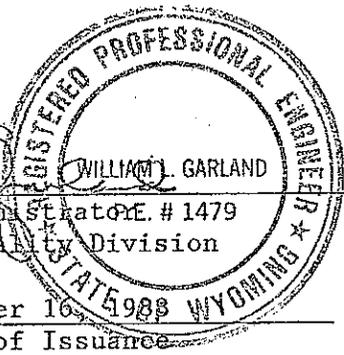
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

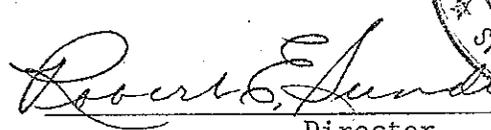
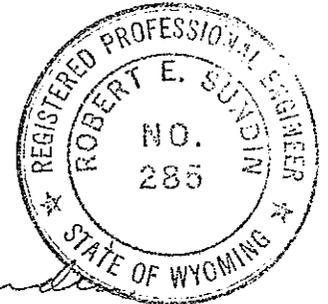
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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
Administrative # 1479
Water Quality Division
December 16, 1988
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Philip M. Hoyt
Laramie Engineering
504 S. 4th Street
Laramie, WY 82070

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 8, 1983

Norval D. Johnson, Owner
Johnson Construction Co.
P.O. Box 1030
Laramie, WY 82070

RE: Knoll Addition, Construction Permit No. 81-667

Dear Mr. Johnson:

Your request for a renewal of construction permit number 81-667 has been received. However, before it can be granted, you will need to complete the enclosed application and submit it to me. Also, we need a letter from you stating that there have been no changes to the plans previously submitted. If changes have been made, plans for them will need to be submitted with a request to modify permit 81-667.

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

Sincerely,

A handwritten signature in cursive script that reads "Theodore D. Coyer".

Theodore D. Coyer, P.E.
Engineering Evaluator

TDC/nc
Enclosure

9-29-81

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-667

Knoll Addition
(Name of Facility)

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

Norval D. Johnson

P.O. Box 1030

Laramie, WY 82070

to construct, install, or modify a sanitary sewer and potable water distribution facility according to the procedures and conditions of the application No. 81-667.

The facility is located in Sections 4 and 9, T15N, R73W 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.

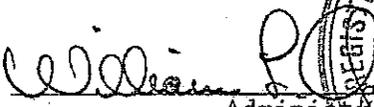
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

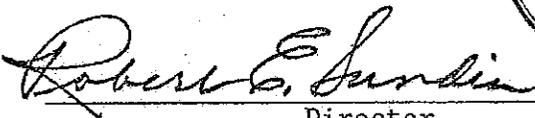
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
#279
Administrator
Water Quality Division
STATE OF WYOMING


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

Director
Dept. of Environmental Quality

September 23, 1988
Date of Issuance

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

cc: Philip M. Hoyt
Laramie Engineering
504 S. 4th Street
Laramie, WY 82070

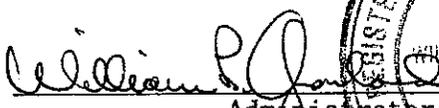
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

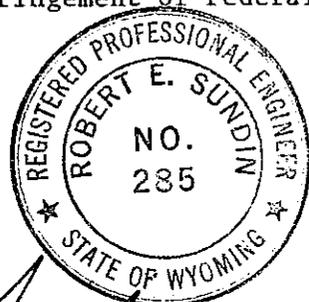
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:



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



 NO. 285
 Director
 Dept. of Environmental Quality

January 8, 1985
 Date of Issuance

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

JB:dcn

cc: Foothills Development, Inc.
 P. O. Box 56
 Pinedale, WY 82941



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 8, 1985

Foothills Development Co., Inc.
P. O. Box 56
Pinedale, WY 82941

Attention: John Sulenta

RE: Renewal of "Permit to Construct"
Nos. 81-551, 81-668R and 81-706

Dear Mr. Sulenta:

As per your December 13, 1984 letter, the attached "Permit to Construct" Nos. 81-551 and 81-668R have been renewed.

"Permit to Construct" No. 81-706 will be renewed as soon as a written request has been received from the original applicant--Pacific Power and Light. On January 7, 1985, I was informed by Roger Raeburn (Pacific Power and Light) that a letter was forthcoming.

The referenced permits were renewed with the understanding that there will be no changes in the authorized plans and specifications. Any changes or modifications from the original plans will require that a new "Permit to Construct, Install or Modify" be obtained.

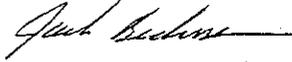
Note that the original permits were issued with the provision that the facilities be utilized to collect and treat only domestic sewage from this commercial/industrial development. The use of these facilities, to treat industrial wastewaters, will be a violation of Wyoming Water Quality Rules and Regulations.

According to your letter, the Husky Truck Service Center has shown interest in using the Foothills Subdivision sewage treatment plant once it has been installed. This may or may not be feasible depending on the subdivision development and flow rates. Authorization must be obtained from this department before any additional connections or extensions can be made.

Foothills Development Co., Inc.
January 8, 1985
Page Two

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

Sincerely,



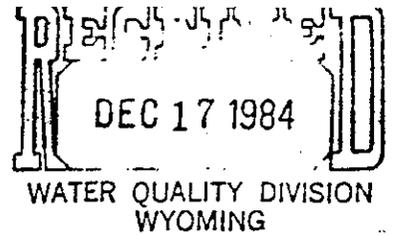
Jack Bedessem
Area III Supervisor

JB:dcn

Enclosures

cc: Cheyenne DEQ/WQD
John Wagner, DEQ/WQD Cheyenne
File (2)

FOOTHILLS DEVELOPMENT ©, INC.



December 13, 1984

Dept. of Environmental Quality
Water Quality Division
210 Lincoln Street
Lander, Wyoming 82520

Attention: Mr. Jack Bedessem

Reference: WY-0030881

Dear Sir:

As per our phone conversation on December 13, 1984, we request an extension of time on our expired permits, numbers 81-551, 81-668R and 81-706 for the following reasons:

1. At the time we applied for the permits, sales in the area looked promising. As the Spring of '82 neared, the recession showed no signs of an early recovery.

As of yet, it is not feasible for us to install our plant because the economy of the Rock Springs area has not progressed enough to promote the need for new industries to use our industrial park.

2. Our client who has shown interest in using our sewage plant is the Husky Truck Service Center. They have not yet committed to using our plant. We have more than enough capacity to handle them as well as our own needs.

Husky is aware that before any commitment on our part could be made, your office would have to approve any and all permit changes, construction designs and so forth. We would not allow any permit changes or construction deviation until we receive written approval by your office.

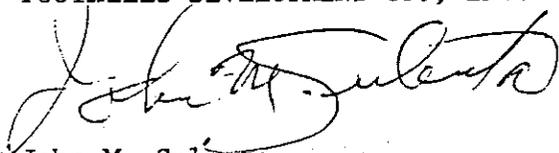
3. We do not desire any changes to be made on our plans and specifications as were stated with our expired permits. Without an extension of time, our project could suffer tremendously from loss of sales to clients. With the economy changing as we have seen thru 1984, clients are becoming more interested in locating in the area. Without the permits on hand, we would not be able to provide the services our park was designed for as clients cannot afford to schedule their services around costly time delays. The permits are essential for us to secure our customers with the utilities they need for their facilities.

Dept. of Environmental Quality
Water Quality Division
December 13, 1984
Page -2-

If possible, please renew and extend our permits for the maximum time allowable.

Sincerely,

FOOTHILLS DEVELOPMENT CO., INC.



John M. Sulenta
President

JMS:lg

cc: Ms. Kathy Bauman

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

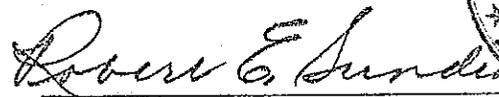
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


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


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

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

AB:dp

Chayenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Foothills Subdivision - Sewage Treatment Plant

ENGINEER: Bennett-Carder & Associates
P.O. Box 1324
Rock Springs, WY 82901

OWNER: Foothills Development
1443 Sublette
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 81-668

REVIEWING ENGINEER: Al Berreth *ajh*

DATE OF REVIEW: November 2, 1981

ACTION: Not authorized.

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

1. Please submit operating data from the plant, such as one year's discharge monitoring reports.
2. Complete information is needed on the lift station including specifications. Items need to include the following (list is not all-inclusive):
 - a) Pump curves
 - b) Discussion of any needed storage capacity for power outages or breakdowns
 - c) Cycle time calculations
3. The lift station detail shows both 6" and 8" inlet and outlet piping.
4. Please show the grout seal between the 4" and 8" pipe is capable of withstanding the thrust developed during pumping.
5. The drawing shows the outlet of the lift station several feet below ground. Yet, 20 feet away the outlet pipe is 6" above ground. The sewer line profile sheet does not indicate this amount of slope. Please explain.

.../2

A, B, C

Review of Plans and Specifications

Foothills Subdivision - Sewage Treatment Plant, DEQ #81-668

Date of Review - November 2, 1981

Page 2

6. Please show location of steps and level controls on the plan view of the lift station.
7. Some means of flow proportioning needs to be provided in the splitter box.
8. What is the horizontal dimension for the foundation "10RA26?" Where is this information in the literature provided?
9. For the foundations, please provide soil bearing capacities and loading. Calculations need to be submitted.
10. Are the views mislabelled on sheet 5/7? Please explain what is intended.
11. Please provide an engineering report discussing the development and treatment plant. The discussion needs to address the derivation of projected flows and the treatment plant unit processes in relation to "Ten-States Standards."
12. The sludge holding tank is not discussed.
13. Three copies of all submittals will be required before final approval.
14. This does not necessarily constitute the final review.

AB:nb

Copy: Dennis Watt
John Wagner
Cheyenne DEQ/WQD
File (4)

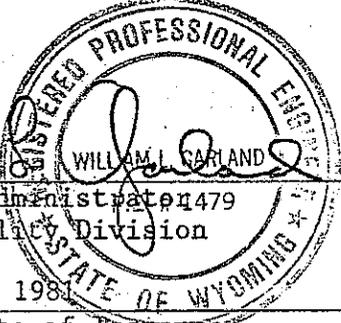
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

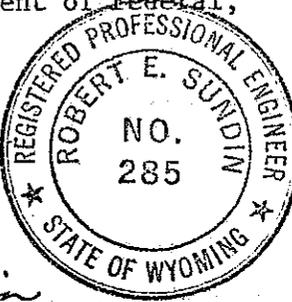
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William L. Garland

Administrator 479
Water Quality Division
November 18, 1981

Date of Issuance


Robert E. Sundin

Director
Dept. of Environmental Quality

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

AB:ch
11/18/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Wamsutter Municipal Park

ENGINEER: Johnson Fermelia & Crank, Inc.
P.O. Box 1633
Rock Springs, WY 82901
ATTN: Terry L. Sell

OWNER: Town of Wamsutter
P.O. Box 6
Wamsutter, WY 82336

WATER QUALITY DIVISION REFERENCE NUMBER: 81-670R

REVIEWING ENGINEER: Al Berreth *af*

DATE OF REVIEW: October 28, 1981

ACTION: Not authorized.

COMMENTS: The following items are needed:

1. Stamped or signed drawings.
2. Hard data and calculations on fire flows.

AB:nb
Copy: Cheyenne DEQ/WQD
File (4)

AC

M-10-29-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-671RR

PILOT'S QUARTERS WASTE WATER DISPOSAL FACILITY
(Name of Facility)

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

Mountain Construction
P.O. Box 51
Alpine, WY 83128

to construct, install, or modify a _____

septic tank - leach field

_____ facility according to the procedures and conditions of the

application No. 81-671RR. The facility is located in _____

Sec. 19, T. 37N, R. 118W

_____ in the County of Lincoln,

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

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

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

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

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

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

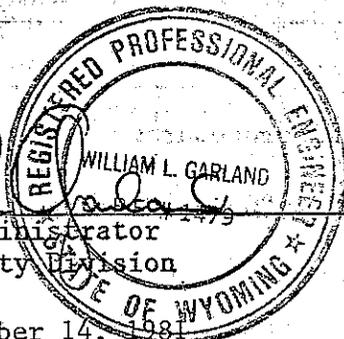
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

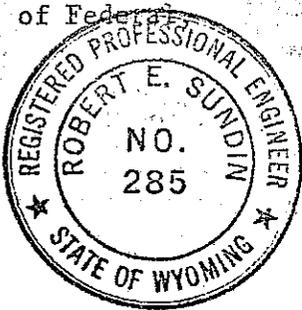
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 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
Water Quality Division
October 14, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL:nb
10/14/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: PILOT QUARTERS

ENGINEER: Lloyd Baker
Baker Engineers
Box 210
Thayne, WY 83127

OWNER: Mountain Construction
Box 51
Alpine, WY 83128

WATER QUALITY DIVISION REFERENCE NUMBER: 81-671R

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

DATE OF REVIEW: September 28, 1981

ACTION: Not authorized.

COMMENTS: A review of your resubmittal has been completed. Before a "Permit to Construct" can be issued, the following point needs to be resolved:

The application must include a Septic Tank Detail Sheet and a Disposal Field Detail Sheet. These were not included. Three copies of each are enclosed with this letter. Please have Mr. Baker stamp them. Upon their receipt, a "Permit to Construct" will be issued.

Please submit the required sheets, in triplicate, to this office, If you have any questions, please call me.

FL:nb
9/29/81

Enclosures

AC

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: PILOT QUARTERS

ENGINEER: None

OWNER: Bill Simpson
22630 Normandie
Torrance, CA 90520

WATER QUALITY DIVISION REFERENCE NUMBER: 81-671

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

DATE OF REVIEW: September 21, 1981

ACTION: Not authorized.

COMMENTS: The plans for the proposed septic tank-leach field to serve the pilot's quarters must be signed by an engineer registered in the State of Wyoming. A review will not be conducted until signed plans are received, in triplicate. If you have any questions, please contact me at this office.

FL:nb
9/21/81

xc: Harv Dalton, P.O. Box 51, Alpine, WY 83127
Bruce Wolfley Construction, Star Route, Etna, WY 83118

AF

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: ALPINE JUNCTION PORT OF ENTRY

ENGINEER: BRW, Inc.
1912 Capitol, Suite 300
Cheyenne, WY 82001
Attn: Joe Kub

OWNER: Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-672

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

DATE OF REVIEW: September 21, 1981

ACTION: Not authorized.

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

1. The Plan Sheet needs to be signed or stamped by the engineer.
2. How was a figure of 250 gpd of wastewater arrived at?
3. A clean out is recommended at the bend in the influent line into the septic tank. A clean out detail is needed.
4. What is the calculated head the pump will have to pump against?
5. A dosing frequency of four times per day is recommended. What elevation is the level control switch set at to turn the pump on?
6. What is the elevation of the discharge line from the sump pit?
7. Some type of alarm system should be included for the sump pit.
8. The specs call for the addition of topsoil to obtain the specified percolation rate. The use of topsoil for this purpose is not recommended. The fill material should be a dirty sand with a percolation rate of 5-10 minutes per inch in its natural state.

.../2

AIC

Review of Plans and Specifications
Alpine Junction Port of Entry, DEQ #81-672
Date of Review - September 21, 1981
Page 2

9. The specs for the drain field should include site preparation. All trees, roots, and organic matter should be removed from the area. A mold board, chisel plow or equivalent should be used to scarify the surface. (Rototilling is not recommended, as it tends to destroy the soil texture.) Care should be taken to avoid smearing or compaction of the soil.

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

FL:nb
9/22/81

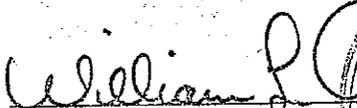
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

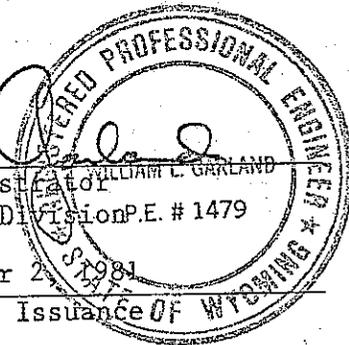
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

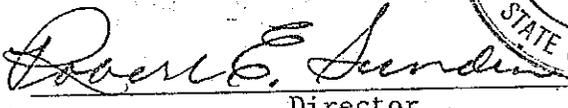
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

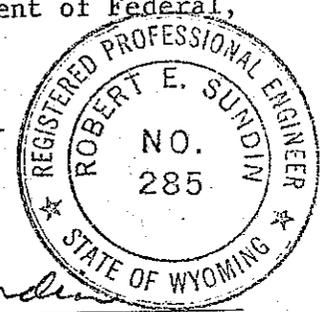
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrator for WILLIAM L. GARLAND
Water Quality Division P.E. # 1479
November 2, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

FL:nb
11/3/81

Cheyenne

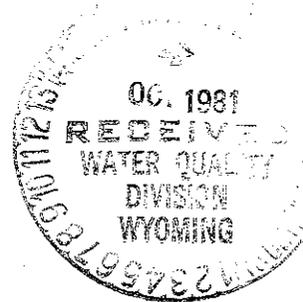
REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: ALPINE JUNCTION PORT OF ENTRY

ENGINEER: BRW, Inc.
1912 Capitol, Suite 300
Cheyenne, WY 82001
ATTN: Ira Blackwell

OWNER: Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-672R

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

DATE OF REVIEW: October 14, 1981

ACTION: Not authorized.

COMMENTS: A review of your reply to my September 21, 1981 review letter has been completed. Before a "Permit to Construct" can be issued, the following points remain to be clarified. I have addressed my comments in the order of the original review letter.

1. Resolved.
2. Resolved.
3. Resolved.
4. Resolved.
5. Resolved.
6. Resolved.
7. The alarm system needs to be specified and included in the materials specifications.
8. The specs should call for a "dirty" sand fill material with a percolation rate of 5-10 minutes per inch in its natural state,
9. The specs call for the original sub-base under the leach field mound to be compacted to not less than 90% density. The sub-base should be left in its natural state and care taken not to compact this soil. The specs should be revised to reflect this.

Review of Plans and Specifications
Alpine Junction Port of Entry, DEQ #81-672R
Date of Review - October 14, 1981
Page 2

Additional Comment

10. The revised specifications do not include any specs on the septic tank and drain field, such as were included in the original specifications. Please make these additions to the revised specs. The original drainfield spec will need to be revised (refer to #8 and #9).

Please submit the required information, in triplicate, to this office. Upon receipt of a satisfactory reply a "Permit to Construct" will be issued. If you have any questions, please call me.

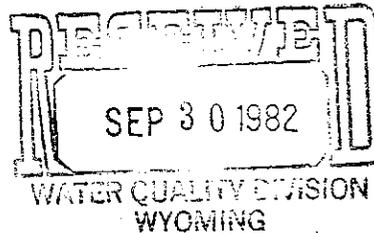
FL:nb
10/15/81



ENERGY DEVELOPMENT CO.
P.O. Box 600 • Hanna, Wyoming 82327
Phone 307/325-6565

*Permits
1/2
10/9/82 to
be cancelled
file w/ EDC 8/1/82
81-673*

September 28, 1982



Mr. Phil Velez
Water Rights Regulation Analyst
State Engineer's Office
Barrett Building
Cheyenne, Wyoming 82002

Dear Phil:

Due to existing coal markets that have changed drastically over the last year while these permits were being processed, Sediment Control Ponds Nos. 1, 2, and 7 Reservoirs will never be constructed. Pond No. 7 in Section 20 was to capture runoff from a pit extension that the Company has decided not to extend. The pit in Section 28 was to extend southerly also, into Section 33 (Ponds Nos. 1 and 2), but again economics of mining this section has eliminated the extension on a permanent basis.

Energy Development Co. therefore, requests cancellation of the following permits:

No. 8487 Res. Details of Pond No. 1 only
Ponds No. 4, 5, and 10 will remain permitted.

No. 8488 Sediment Control Pond No. 2 Reservoir 81-673

No. 8489 Sediment Control Pond No. 7 Reservoir 81-676

If you have any questions, please contact me.

Very truly yours,

Tim Chervick
Environmental Technician

/ck
cc: Ted Coyer, P.E. ✓
DEQ-Water Quality Division
file

11-17-81

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-673

Energy Development Company - Sedimentation Ponds 1 & 2
(Name of Facility)

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

Energy Development Company

P.O. Box 600

Hanna, WY 82327

to construct, install, or modify a sedimentation control ponds facility according to the procedures and conditions of the application No. 81-673. The facility is located in Section 33, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

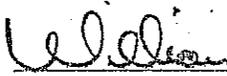
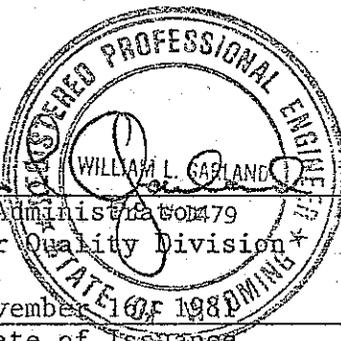
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

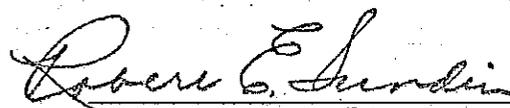
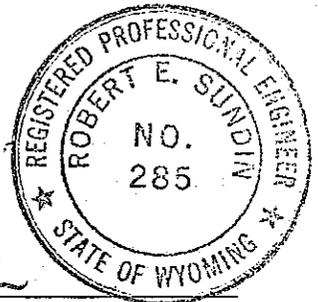
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division
November 10, 1982
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Arnold M. Hannum
Energy Development Co.
P.O. Box 600
Hanna, WY 82327

11-17-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-674

Energy Development Company - Sedimentation Ponds 3, 4, & 5
(Name of Facility)

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

Energy Development Company

P.O. Box 600

Hanna, WY 82327

to construct, install, or modify a sedimentation control ponds facility according to the procedures and conditions of the application No. 81-674. The facility is located in Section 28, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

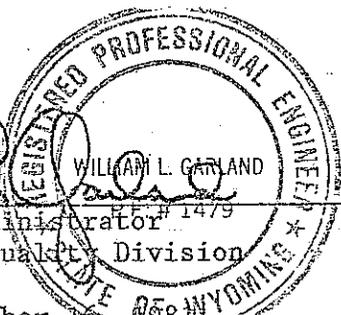
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

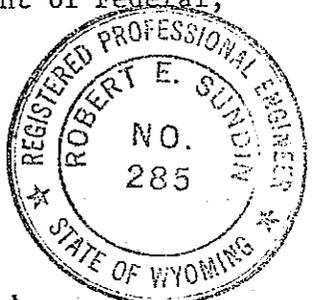
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William L. Garland

WILLIAM L. GARLAND
Administrator # 1479
Water Quality Division
November 10, 1958
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: Arnold M. Hannum
Energy Development Co.
P.O. Box 600
Hanna, WY 82327

11-17-8

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-675

Energy Development Company - Sedimentation Pond 6
(Name of Facility)

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

Energy Development Company

P.O. Box 600

Hanna, WY 82327

to construct, install, or modify a sedimentation control pond facility according to the procedures and conditions of the application No. 81-675. The facility is located in Section 21, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

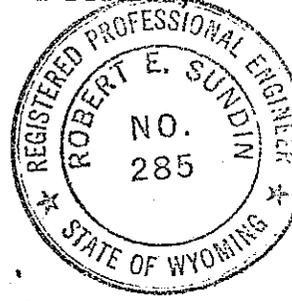
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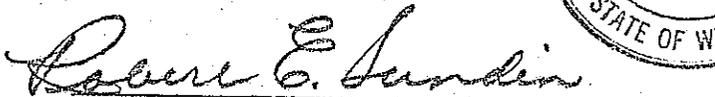
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:





Administrator, P.E. #1479
- Water Quality Division
November 16, 1981
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Arnold M. Hannum
Energy Development Co.
P.O. Box 600
Hanna, WY 82327



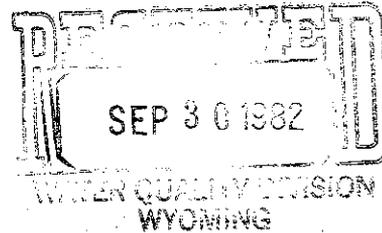
ENERGY DEVELOPMENT CO.
P.O. Box 600 • Hanna, Wyoming 82327
Phone 307/325-6565

September 28, 1982

Handwritten notes:
File
81-676
SEP 29 1982
WATER QUALITY DIVISION
STATE ENGINEER'S OFFICE

81-676

Mr. Phil Velez
Water Rights Regulation Analyst
State Engineer's Office
Barrett Building
Cheyenne, Wyoming 82002



Dear Phil:

Due to existing coal markets that have changed drastically over the last year while these permits were being processed, Sediment Control Ponds Nos. 1, 2, and 7 Reservoirs will never be constructed. Pond No. 7 in Section 20 was to capture runoff from a pit extension that the Company has decided not to extend. The pit in Section 28 was to extend southerly also, into Section 33 (Ponds Nos. 1 and 2), but again economics of mining this section has eliminated the extension on a permanent basis.

Energy Development Co. therefore, requests cancellation of the following permits:

No. 8487 Res. Details of Pond No. 1 only
Ponds No. 4, 5, and 10 will remain permitted.

No. 8488 Sediment Control Pond No. 2 Reservoir 81-673

No. 8489 Sediment Control Pond No. 7 Reservoir 81-676

If you have any questions, please contact me.

Very truly yours,

Tim Chervick
Environmental Technician

/ck

cc: Ted Coyer, P.E. ✓
DEQ-Water Quality Division
file

11-17-81

PERMIT TO CONSTRUCT

New

Permit No. 81-676

Renewal

Modified

Energy Development Company - Sedimentation Pond 7
(Name of Facility)

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

Energy Development Company

P.O. Box 600

Hanna, WY 82327

to construct, install, or modify a sedimentation control pond facility according to the procedures and conditions of the application No. 81-676. The facility is located in Section 20, T22N, R82W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

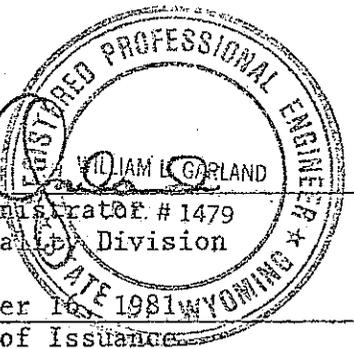
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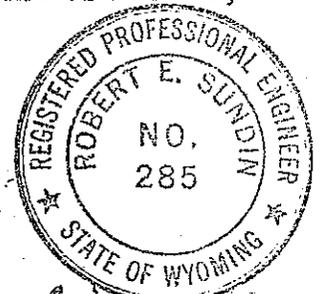
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AUTHORIZED BY:



Admin. # 1479
Water Quality Division
November 16, 1981
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Arnold M. Hannum
Energy Development Co.
P.O. Box 600
Hanna, WY 82327

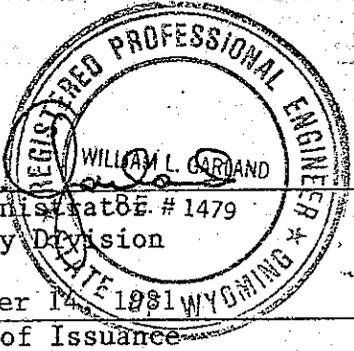
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

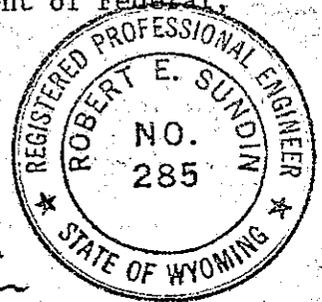
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "WILLIAM L. CARDANO" in the center, "No. 1479" below the name, and "STATE OF WYOMING" around the bottom edge. There are two stars on either side of the bottom text.
William L. Cardano
Admin. Stat. # 1479
Water Quality Division
October 14, 1981
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "ROBERT E. SUNDIN" in the center, "NO. 285" below the name, and "STATE OF WYOMING" around the bottom edge. There are two stars on either side of the bottom text.
Robert E. Sundin
Director
Dept. of Environmental Quality

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

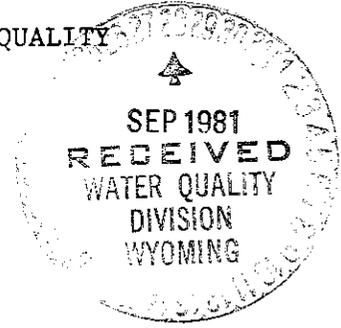
FL:nb
10/15/81

Cheyenne
Wester

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: BOOTH WASTEWATER FACILITY

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

OWNER: Dwain Booth
Box 666
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-677

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

DATE OF REVIEW: September 23, 1981

ACTION: Not authorized.

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

1. A discrepancy was noted between the Engineering Report and the Checklist Sheet. One states that the groundwater is more than ten feet, while the other states more than six feet. Is a better estimate available on how far down the seasonal high ground water table is?
2. The capacity of the proposed septic tank is inadequate. A minimum capacity of 2,565 gallons is needed.
3. A profile is needed of the proposed collector line.
4. Material and construction specifications are needed for the collector line and manhole.
5. A service line detail is needed.
6. A manhole detail is needed.
7. What type of wastewater will be coming from the industrial buildings? Will there be any oils, chemicals, etc., in these buildings that can get into the septic system? What type of work is to take place in them?

AIC

Review of Plans and Specifications
Booth Wastewater Facility, DEQ #81-677
Date of Review - September 23, 1981
Page Two

8. What is the length of the shortest pipe in the leach field? Its dimension is not shown on the plans.
9. Please show the direction of the ground slope on the Plan Sheet.
10. What will be the slope of the overflow pipe between the leach field lines?
11. How many service connections will be served by the well? If there are ten or more, a permit from this office will be needed.

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

FL:nb
9/24/81

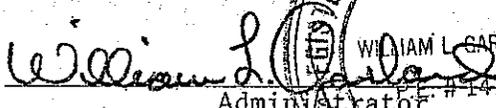
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

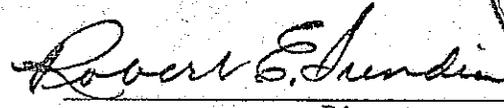
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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AUTHORIZED BY:


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


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

Director
Dept. of Environmental Quality

October 22, 1981
Date of Issuance

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

xc: Roger Harrington
Merrick & Company

12-5-87

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-679R

Lincoln Plaza
(Name of Facility)

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

Lincoln Development

PO Box 1085

Rock Springs, WY 82901

to construct, install, or modify a _____

Sewer line and manholes

_____ facility according to the procedures and conditions of the

application No. 81-679R. The facility is located in _____

Sec. 33, T. 19N, R. 105W

_____ in the County of Sweetwater,

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

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

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

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

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

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

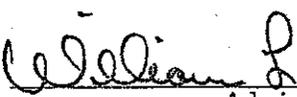
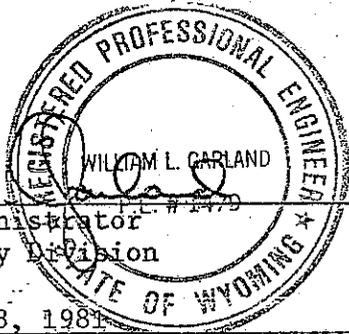
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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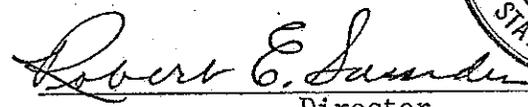
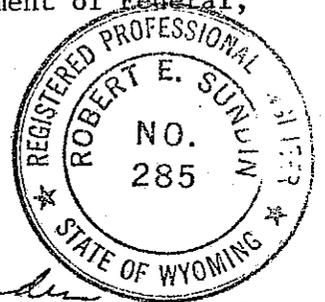
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division


November 18, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality


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

AB: db
11/19/81

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: LINCOLN PLAZA

ENGINEER: Bush & Gudgell, Inc.
P.O. Box 1144
Rock Springs, WY 82901
ATTN: Leon Kjellgren

OWNER: Lincoln Development
P.O. Box 1085
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 81-679

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: October 21, 1981

ACTION: Not authorized.

COMMENTS:

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

- 1) The letter from the city must address line capacity, as well as treatment capability.
- 2) The drawings must be signed or stamped by a Wyoming registered engineer.
- 3) What amount of wastewater is expected as a result of this subdivision?
- 4) Mr. Richard Stalder indicated that you may wish to get the permit for the water system from P.P.& L. If so, additional information is needed:
 - a) What is the average working pressure?
 - b) Is adequate fire flow available, and at what residual pressure?
 - c) A letter from P.P.& L. is needed.
 - d) The six-inch line needs to be shown.
 - e) Thrust blocking should also be included at reducers and valves (Sec. 5.1.11).
- 5) Is the sewer line stubout at 0.5% slope?

AJB:nb

Copy: Cheyenne DEQ/WQD
City of Rock Springs/Rich Unger
File (4)

AIC

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-680

Ref. No. 81-20

Joe Zowada's Sewage System
(Name of Facility)

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

Joe Zowada, c/o Roger Reich, Pilch Engineering

45 East Loucks

Sheridan, WY 82801

to construct, install, or modify a on-site sewage disposal facility according to the procedures and conditions of the application No. 81-680. The facility is located in Section 2, T55N, R85W in the County of Sheridan, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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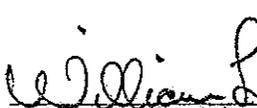
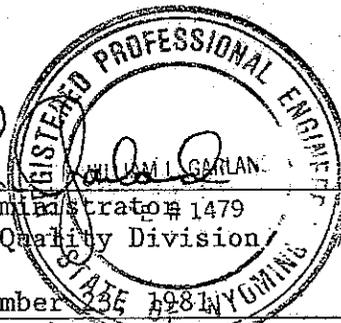
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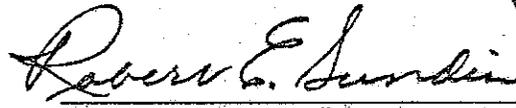
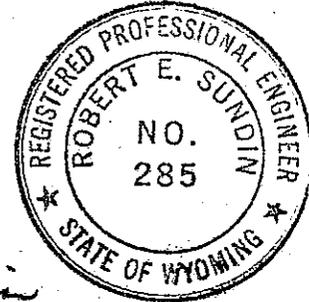
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AUTHORIZED BY:



Administrator # 1479
Water Quality Division
September 30, 1984
Date of Issuance



Director
Dept. of Environmental Quality

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

cc:

Tom Mueller

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

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: A. J. Mancini
FROM: R. J. Lennox, Engineering Evaluator *RL*
DATE: October 19, 1981
SUBJECT: Peabody Coal Co., Rochelle Sediment Ponds and Containment Ditch
Applications 81-681 thru 81-705

- 1) No indication that requirements of Water Quality Division Rules and Regulations, Chapters 8 and 10 have been incorporated in permit applications or in rough draft "Section 5, Mining Hydrology." Specific example: SP-1 reservoir discussion talks about runoff and indicates NPDES permit applied for but no comments made concerning monitoring of water quality in accordance with Chapter 10.
- 2) Recommend Water Quality Division Rules and Regulations Chapters 8 and 10 be reviewed by Peabody Coal to ensure all requirements are met.

*Plans returned to Sheridan
10-22-81*

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

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

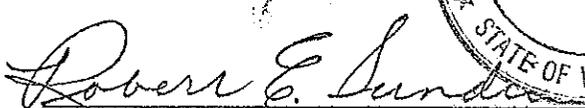
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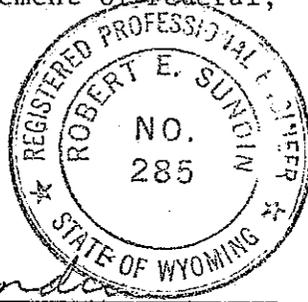
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AUTHORIZED BY:


AdministratoWILLIAM L. GARLAND
Water Quality Division P.E. # 1479
April 21, 1989
Date of Issuance




Director
Dept. of Environmental Quality



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

xc: Lou Coraggio
IntraSearch, Inc.
3312 4th Avenue North
Billings, Montana 59101

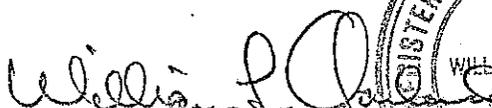
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AUTHORIZED BY:


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


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

April 21, 1982
Date of Issuance

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IntraSearch, Inc.

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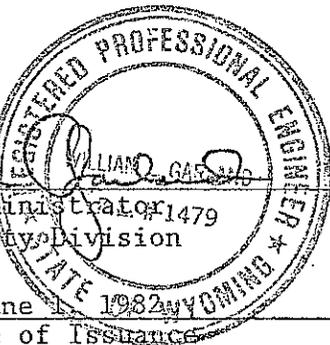
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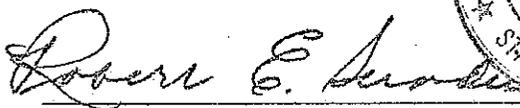
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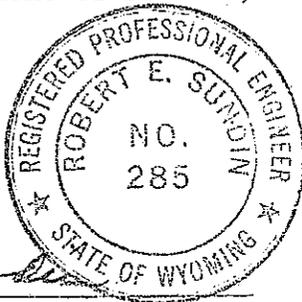


Administ. #1479
Water Quality Division
June 1982
Date of Issuance





Director
Dept. of Environmental Quality



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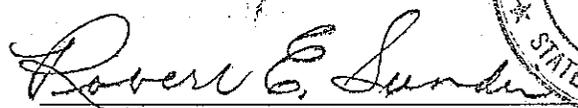
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AUTHORIZED BY:


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P.E. # 1473
Administrator
Water Quality Division
STATE OF WYOMING
April 21, 1982
Date of Issuance


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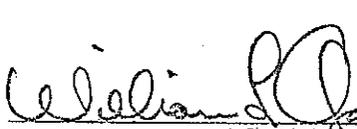
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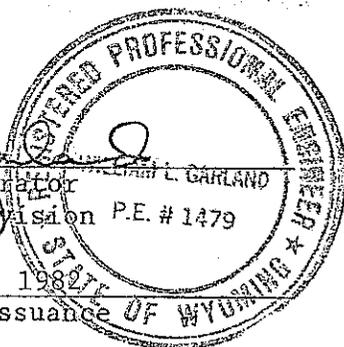
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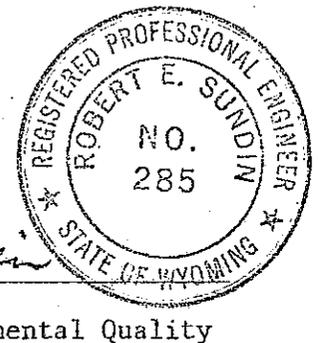


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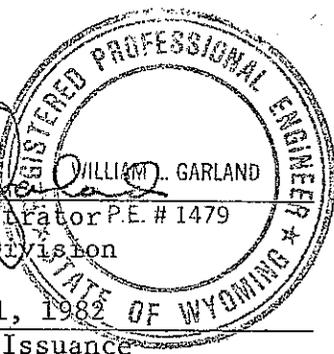
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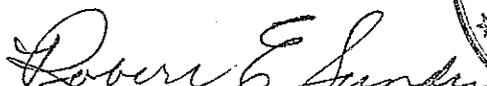
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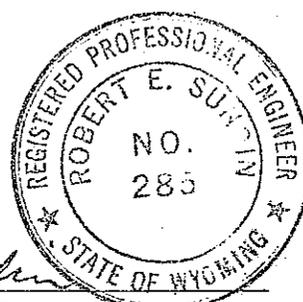
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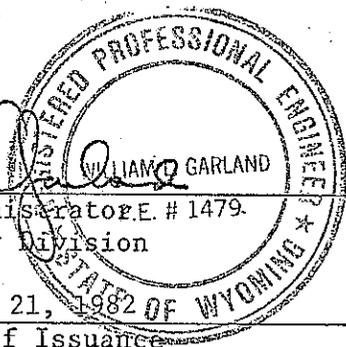
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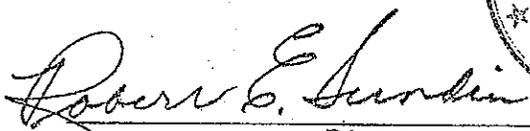
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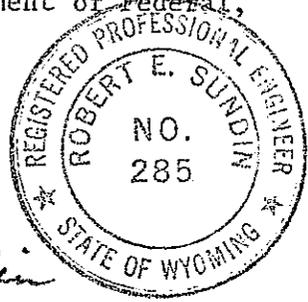
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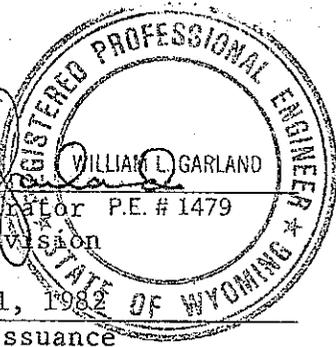
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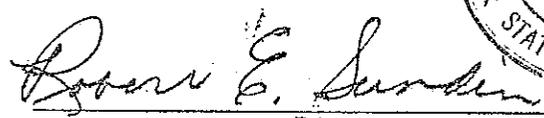
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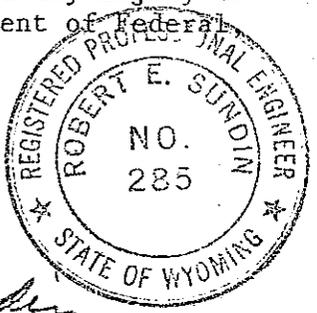
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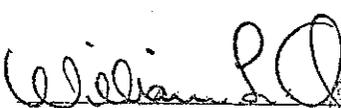
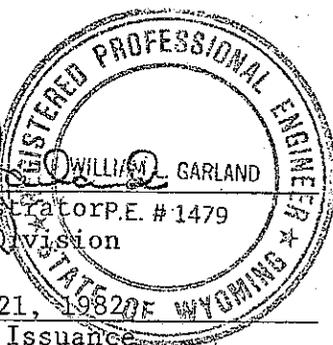
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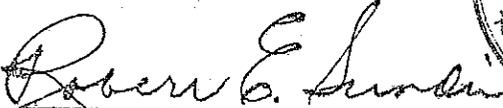
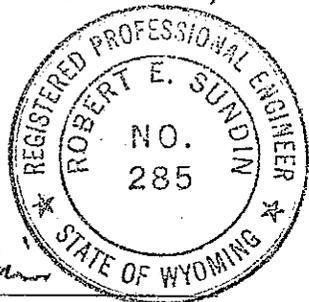
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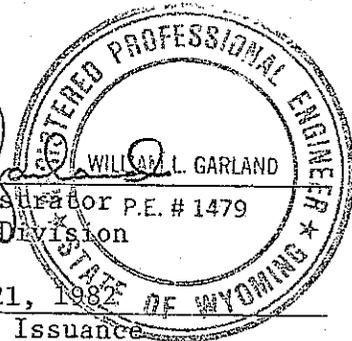
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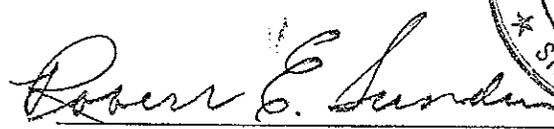
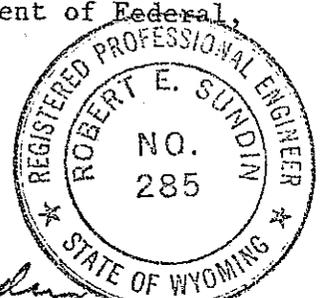
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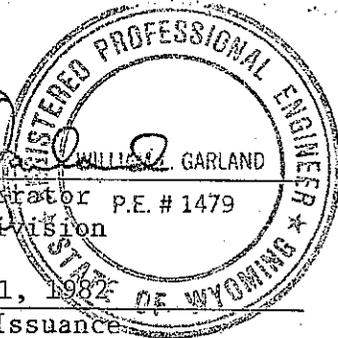
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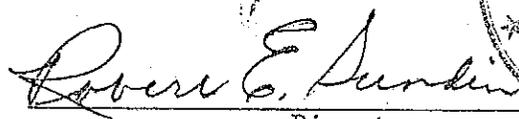
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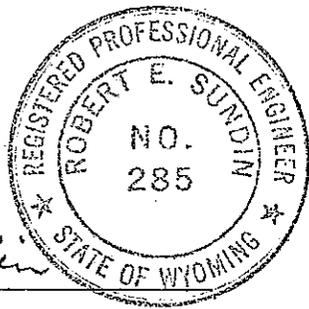
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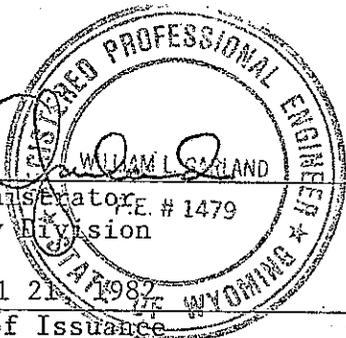
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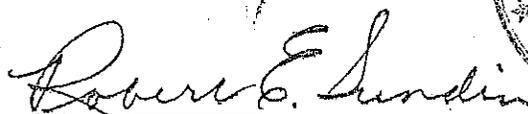
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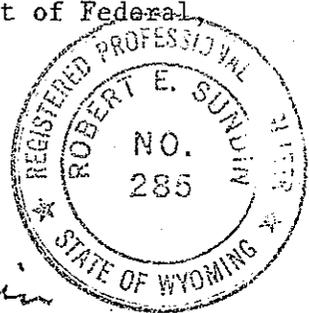
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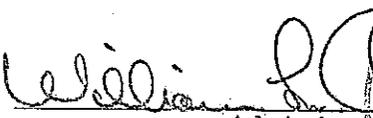
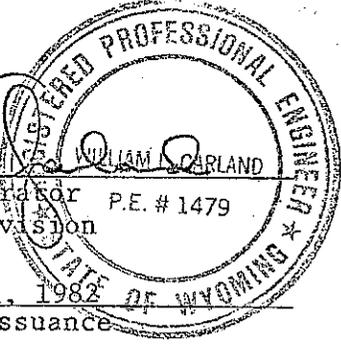
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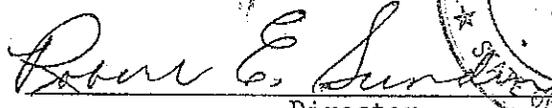
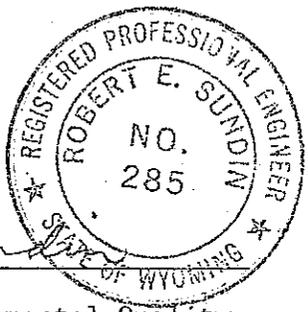
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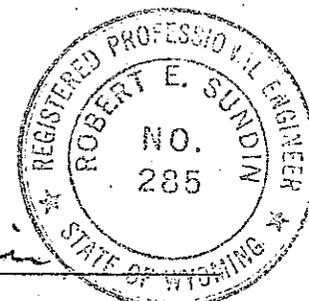
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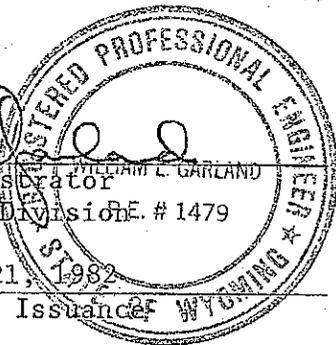
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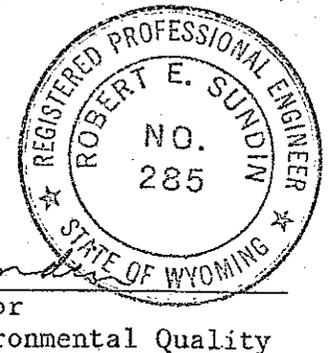
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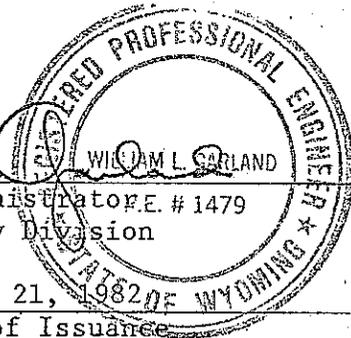
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

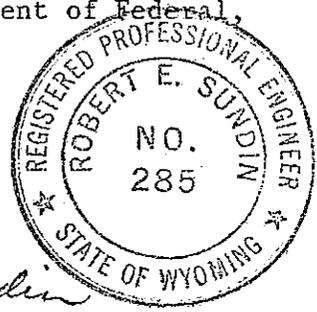
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator, E. # 1479
Water Quality Division
April 21, 1982
Date of Issuance




Director
Dept. of Environmental Quality



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

xc: Lou Coraggio
IntraSearch, Inc.

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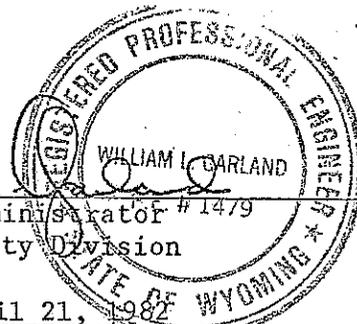
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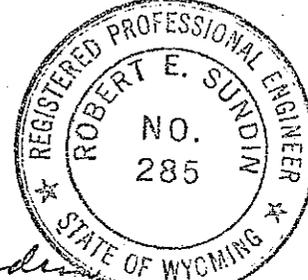
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WILLIAM I. GARLAND
Administrator # 1479
Water Quality Division
April 21, 1982
Date of Issuance




ROBERT E. SUNDEN
Director
Dept. of Environmental Quality



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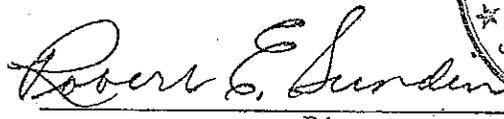
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AUTHORIZED BY:


WILLIAM L. GARLAND
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
P.E. # 1479
Administrator
Water Quality Division
April 21, 1982
Date of Issuance


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

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xc: Lou Coraggio
IntraSearch, Inc.

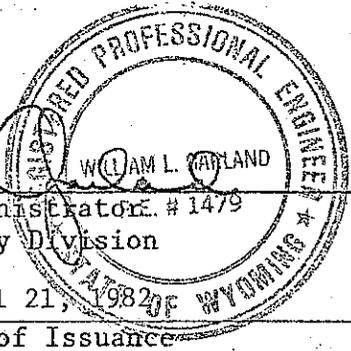
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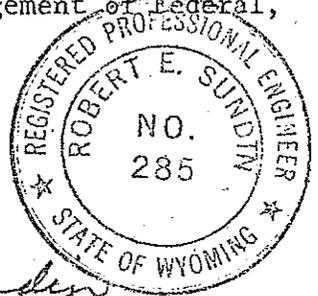
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