

PERMIT TO CONSTRUCT

New

Permit No. 81-226R

Renewal

Modified

Daniel Construction Co./Chevron Carter Creek
Temporary Waste Disposal System and the Sulphur
Loading Facility

(Name of Facility)

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

Daniel Construction Company

P.O. Box 966

Evanston WY 82930

to construct, ~~XXXXXXXX XX XXXXX~~ a temporary waste disposal system for 10 superin-
tendent's trailers and 1 ladies' and mens' toilet trailer

facility according to the procedures and conditions of the
application No. 81-226R. The facility is located in Sec. 25, T.20N., R117W.

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 Per-
mittee understands that it is solely responsible to any third parties for any liabil-
ity 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 Environ-
mental Quality, Water Quality Division, upon the presentation of credentials and

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

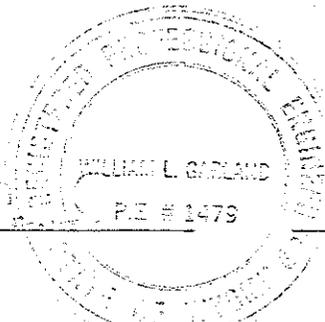
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

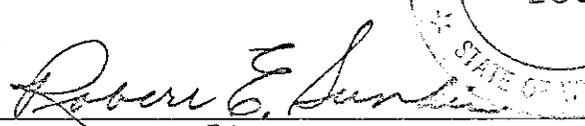
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

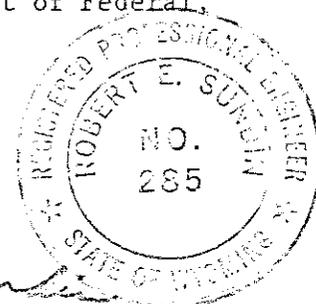


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



May 11, 1981

Date of Issuance

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

FL/tc

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Daniel Construction Company/Chevron Carter Creek
Temporary Waste Disposal System at the Sulfur Loading Facility

ENGINEER: Daniel Construction Company
P.O. Box 966
Evanston, WY 82930
ATT: J.J. Wiley

OWNER: Daniel Construction Company
P.O. Box 966
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-226

REVIEWING ^{EVALUATOR} ~~ENGINEER~~: Francis LaBarge *FL*

DATE OF REVIEW: May 1, 1981

ACTION: Not authorized.

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

1. How long do you expect the temporary facilities to be in use?
2. The minimum size sewer lines should be 6 inches for the main and 4 inches for the service lines.
3. A profile is required of the 6 inch main.
4. It is suggested a manhole be placed at the beginning of the 6 inch main. If the line is less than 400 feet long there is no need for additional manholes or cleanouts.
5. What type of connection will be used between the service line and main? They must be specified.
6. Complete and detailed construction specifications are required.

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

FL/pm

A, B, C

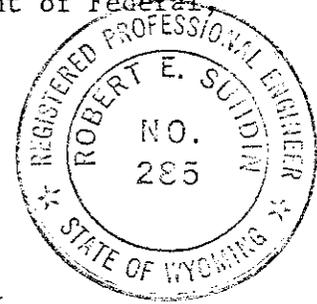
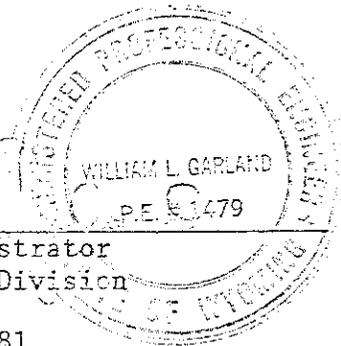
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit:

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

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

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

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 6, 1981
Date of Issuance

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

MRC/kn

11-17-71

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-228RR

FLIPPER STICK PARK
(Name of Facility)

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

Richard Sims

Almy Route

Evanston, WY 82930

to construct, install, or modify two wells, one 167,000 gallon water storage tank, water distribution system, sewage collection system and a three-cell stabilization pond system to serve a 138 mobile home park

facility according to the procedures and conditions of the

application No. 81-228RR. The facility is located in

Sec. 30, T. 17 N, R. 120 W.

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.

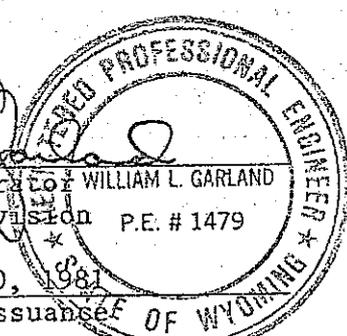
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

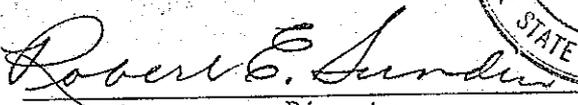
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

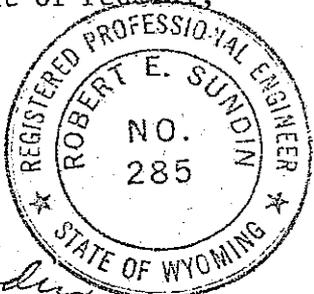
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Adminisrator of WILLIAM L. GARLAND
Water Quality Division P.E. # 1479
October 30, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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



Department of Environmental Quality
Water Quality Division

210 LINCOLN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 16, 1981

Mr. Kenneth Walker
Uinta Engineering & Surveying, Inc.
P.O. Box 746
Evanston, Wyoming 82930

RE: Flipper Stick Park, DEQ Permit
#81-228RR

Dear Mr. Walker:

I am in receipt of your November 13, 1981 request to replace the approved clay liner in the Flipper Stick Park lagoons with a Hypalon liner. Please be advised that this is considered a major modification of an existing permit and, therefore, cannot be processed as a change order.

In order to receive approval of the proposed liner change an application for a permit to modify the approved plans will have to be filed. The application should include revised plans, specifications and all support data.

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

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne, DEQ/WQD
File (3)

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: FLIPPER STICK PARK

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

OWNER: Richard Sims
Almy Route
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-228R

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

DATE OF REVIEW: October 26, 1981

ACTION: Not authorized.

COMMENTS: As a result of our meeting and phone conversations, all of the items in my May 10, 1981 review letter have been resolved to the satisfaction of this office, except one.

Please note that the analysis of the water from Well #2, dated October 7, 1981, shows a lead concentration of "less than 0.2 mg/l" which exceeds the maximum allowable level of lead established by the Primary Drinking Water Standards. As a result, a "Permit to Construct" cannot be issued.

A suggestion would be to retest this well for lead and submit the results to this office. If the result is within established limits for lead, a "Permit to Construct" will be issued. If you have any questions, please contact me at this office.

FL:nb
10-27-81

A, B, C

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Flipper Stick Park

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

OWNER: Richard Sims
Almy Route
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-228

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

DATE OF REVIEW: May 10, 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 trailer park in a flood plain?
2. Before a "Permit to Construct" can be issued, the NPDES permit number is required.
3. Please identify the street names on the plan view.
4. Two sets of drawings have no Sheet #16.
5. Detailed calculations of both the water and sewer systems are needed to support their design.
6. If any dewatering will take place during construction, a dewatering permit (form enclosed) must first be obtained.

A, B, C

WATER SYSTEM

7. All public water supplies must be under the direct responsible charge of a certified operator. Has Bill Loft of our Cheyenne office been contacted on this matter?
8. Has the EPA been contacted to get on a routine sampling program?
9. Physical, chemical and bacteriological test results are needed for each well.
10. Results of the yield and drawdown tests conducted on each well are needed. The water system has been designed on the assumption each well will produce 135 gpm which is unacceptable. The system must be designed on actual yield data.
11. A standby power source is required.
12. Details are needed of the well locations as it relates to required separation between existing and potential sources of contamination and ground-water development.
13. The soil profiles from the drillers log are required to determine how far the grout should extend.
14. The grout needs to be specified.
15. Details are needed of how the wells will be developed.
16. The surge control valves need to be sized.
17. The chlorinator needs to be specified. Details are needed of the diffuser, maximum and minimum feed ranges and how the chlorine system will be installed.
18. Are feeders to be manually or automatically controlled?
19. Scales are required for weighing chlorine cylinders.
20. A method of chlorine leak detection is required.
21. What is the capacity of the ventilating fans? They need to be specified.
22. The storage tank is undersized. A minimum storage capacity of 149,000 gallons is required.
23. Irrigation has not been addressed. If any lawn watering, etc., is to take place, the storage capacity may have to be increased.
24. Pump curves are needed along with the head calculations.
25. Complete details and specifications are needed of the level control system for the storage tank. At what levels do the pumps come on? What type of alarm system is to be used?

26. The pumps should alternate. What is the cycle time? What cycle time does the pump manufacturer recommend?
27. Details are needed of the vortex breaker.
28. The water lines should have a minimum of six feet of cover measured from the top of the pipe to the final ground elevation.
29. The drawings should reference the specifications for amount of thrust blocking required at each point indicated on the drawings.
30. The water line profiles should show sewer line crossings, line intersections, valves, fire hydrants, stations, changes in line sizes.
31. It is recommended the local fire warden approve the fire hydrant locations.
32. Horizontal separation distances between the water and sewer lines should be shown on the plan view.
33. A profile of the water lines from the well houses and the storage tank are required.
34. The plan view does not show the valve which isolates the storage tank.
35. A gate valve should be located where the water lines from each well intersect so those lines could be isolated for maintenance.
36. A detail is needed of where the lines from the wells and storage tank intersect.
37. The water line profiles show the pipe making vertical bends. Specifications are needed on the maximum allowable bend. The plans should reference the specs for details.
38. What will be the maximum and minimum line pressures at the low point in the system? Will pressure reducers be needed?
39. It appears that air relief valves may be needed. This has not been addressed.

SEWAGE SYSTEM

40. All sewer lines sizes need to be hydraulically justified.
41. The cleanouts will need watertight covers. This needs to be clarified on the plans.
42. Sewer line profiles need to show water line crossings.
43. The direction of sewage flow needs to be shown on the plan view.
44. What is the rim elevation of MH 6-E?

45. The plans show a six inch line from MH 6-A to MH 6-B. If no future expansion will take place this is satisfactory, but if the park is expected to expand to the south, an eight inch line will be required.
46. Manholes and cleanouts cannot be located under a space occupied by a mobile home. It appears some of the cleanout locations may be located under trailers.
47. Sheet 7 of 11 does not show the rim elevation of MH 4-A.
48. The sewer line profiles of Sheet 9 do not show any grades.
49. The specs call for wye or tee fittings. Wyes are preferred.
50. Detailed lagoon design calculations are required to verify the design. The discharge parameters to be set forth in the discharge permit are needed to determine the required amount of treatment.
51. I assume you meant the volumes of Cells 1 and 2 to be 153,000 ft.³, not gallons.
52. My calculations indicate slightly larger volumes than you do. Please verify your figures.
53. What is the total percent of BOD₅ removal from this system?
54. Calculations used to size the aerators are needed. The aerators must be specified. My calculations indicate at least 6 HP will be required.
55. What is the prevailing wind direction?
56. The location and direction of surrounding residences, commercial developments, parks, recreational areas and a log of each well within one mile of the proposed lagoon is required.
57. Land use zoning adjacent to the proposed lagoon site is needed.
58. A description, including maps showing elevations and contours of the site and adjacent area, is required.
59. A soil profile of the lagoon area is needed.
60. What is the depth to groundwater?
61. It is recommended the Cell 3 be deepened to provide for additional detention time to facilitate solids reduction.
62. Results of the testing program to determine the required thickness of the bentonite liner are required. Based upon these results, the liner thickness must be shown on the plans.
63. A spec on liner installation is required.
64. A detail of MH L-1 is needed showing how the influent will be diverted.

65. The plans do not show a fence around the lagoons.
66. Aerated ponds require erosion protection on the dikes.
67. It appears some type of erosion control will be required in the diversion ditch around the lagoon.
68. Prefilling of the ponds needs to be included in the specifications.
69. Aerated cells should have influent lines which distribute the load within the mixing zone of the aerators. How far do the influent lines terminate from the toe of the dikes? This needs to be shown on the plans.
70. Pond level gauges should be provided.
71. What is the detention time of the chlorine contact chamber? Calculations are needed.
72. Complete chlorinator details are needed. The chlorinator needs to be specified. All previous chlorination questions apply here, also.
73. Parshall flume details are needed. What is the throat size? Calculations verifying the required throat size are needed.
74. How far away is the Bear River? Does the effluent flow through a ditch or pipe? If it is a pipe, details are needed on the plans.

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

FL:kn

81-229



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 3, 1982

Mr. William W. Lyons
NERCO, Inc.
111 S.W. Columbia, Suite 800
Portland, Oregon 97201

Dear Mr. Lyons:

In accordance with your letter of May 28, 1982, we have withdrawn from our files your application for a permit to construct the Antelope Mine Construction Camp Water Supply and Sewage Treatment facilities. Enclosed are plans and specifications originally submitted to our office.

Sincerely,

Lea Stoneburner
Administrative Assistant

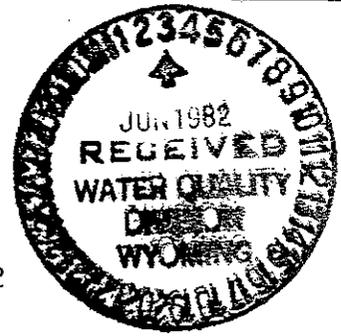
ls

Enclosures

81-229

NERCO INC.
111 S.W. COLUMBIA, SUITE 800
PORTLAND, OREGON 97201
TELECOPIER 503-241-2819
TELEPHONE 503-241-6600

WILLIAM W. LYONS, VICE PRESIDENT RESOURCE
DEVELOPMENT/REGULATORY AFFAIRS



May 28, 1982

Mr. Tom Mueller
District Engineer
Water Quality Division
Department of Environmental
Quality
2161 Coffeen Avenue, Suite 301
Sheridan, Wyoming 82801

SUBJECT: Antelope Mine Construction Camp Water Supply and
Sewage Treatment

Dear Mr. Mueller:

Under a new mine development scenario, Antelope Coal Company will not construct a mancamp for the Antelope Coal Mine until 1986. Accordingly, we have decided to withdraw our applications for water supply and sewage treatment systems for the Antelope mancamp.

Thank you for your considerate review of the materials provided earlier.

Sincerely,

WWL/dls/0796L

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Antelope Coal Mine, Construction Camp
Public Water Supply and On-site Disposal System

ARCHITECT OR ENGINEER: Adele Dunham, P.E.
Jacobs Engineering Group
251 South Lake Avenue
Pasadena, California 91101

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-229

REVIEWING ENGINEER: Dan H. Kim, P.E. *DKim*

DATE OF REVIEW: June 6, 1981

ACTION: Not Authorized for Construction (See Comments)

COMMENTS:

1. Although the submitted plans have specified the sizes and capacities of the proposed equipment and appurtenances for water/wastewater treatment system, detailed design calculations have not been provided. Design computations for size determination are needed for:

- a. Water booster pumps
- b. Fire pump
- c. Water storage tanks
- d. Chlorine supply pump and solution mix tank
- e. Pressure storage tank
- f. Pressure carbon filter
- g. Leach field
- h. Submersible dosing pumps

*Design criteria must meet the requirements of the "Recommended Standards for Water or Sewage Works" (10-States Standards).

2. Whenever an existing water supply system is incorporated into the public water supply system, the existing system must be reviewed to evaluate whether it meets the requirements of the PWS system. If it is found not so, necessary improvements need to be made. Therefore, details of the existing well should be furnished including:

- a. Material of drop pipe material and thickness of the well casing, grouting specifications.
- b. Sanitary capping details, distance between natural ground level and the upper terminal of the well.
- c. Sustained well production rate.

- d. Well pump design.
 - e. How will the well pump be protected from low water level?
 - f. How is the water surge to be controlled? Will the operation of pressurized chlorine system not be affected by the excessive surge caused by well pump?
 - g. Details of pitless adapter, if installed.
 - h. Chemical and bacteriological data.
3. Are any water meters provided in the maintenance building?
 4. Please indicate whether the proposed welded steel tank meets the AWWA D100 specifications, especially in areas of steel material, structure, appurtenances, etc.
 5. All water storage structures shall be provided with an overflow pipe and drain. Details should follow Part 7 of the "10 States Standards."
 6. High, low and alarm levels for the storage tank should be identified in the drawing.
 7. Is a locking device provided for the access hatch?
 8. Finished water storage shall be disinfected in accordance with AWWA D102 standards.
 9. Among ASTM D2241 specified pipes, the 125 psi pipe with SDR 32.5 is not acceptable for water pipe. Please delete.
 10. Electric system for dosing tank should be explosion proof, complying with the National Electrical Code request for Class I, Division 1 locations.
 11. Please show the float control elevations in the dosing tank.

NOTE: Due to the number of comments, this cannot be considered a final review.

xc: Nerco, Inc.
111 S.W. Columbia, Suite 800
Portland, Oregon 97201

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

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

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

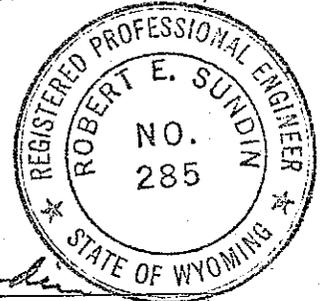
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AUTHORIZED BY:

William L. Garland
Administration
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality



June 25, 1981

Date of Issuance

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

Condition

Attached to Permit to Construct

Reference Number 81-230

Antelope Coal Mine - Sediment Runoff Control Plan

"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."

Memo

To: Dan Kim

From: A.J. Mancini

Date: July 13, 1981

Subject: The Western Company Wastewater Facility: (81-231)
Groundwater Protection Review

If we intend to protect the quality of groundwaters of the State, we need to know what the quality of that water is.

The subject submittal includes no information on background quality of the shallow groundwaters that might be impacted by the proposed construction and operations.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: The Western Company Wastewater Facility

ARCHITECT OR ENGINEER: Mr. C. M. Thelin
Freese & Nichols, Inc.
811 Lamar Street
Fort Worth, Texas 76102

WATER QUALITY DIVISION REFERENCE NUMBER: 81-231R

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

DATE OF REVIEW: 7/21/81

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. Detail drawing of an oil separator is still needed.
2. You indicated over the phone that chemical wastewater generated from the chemical warehouse would be stored at a storage tank. How and where will the chemical waste be eventually disposed of? What are the compositions of the chemicals?
3. Goundwater section of the Water Quality Division requires the following additional information on groundwater situation at the proposed leach field sites.
 - (a) Chemical analysis data for the groundwater samples taken from the leach field sites.
 - (b) Depth to the groundwater table at hole #8.
4. Please briefly address the function of "separator building "J". Is it something to do with water treatment?

xc: Tony Mancini, WQD Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

Norma

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

PROJECT: The Western Company Wastewater Facility

ARCHITECT OR ENGINEER: Mr. Michael Morrison
Freese & Nichols, Inc.
811 Lamar Street
Fort Worth, Texas 76102

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-231

REVIEWING ENGINEER: Dan H. Kim, P.E. *DHK*

DATE OF REVIEW: June 11, 1981

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

Truck Wastewater Disposal Facility

- 1) Attachment 2 indicates that truck wash water contains about 25 mg/l of oil and grease. However, the plan does not show whether the oil and grease are allowed to discharge into settling tank/leach field or separated at the shop by using oil and grease traps. If the traps are to be used, please show the details.
- 2) Plan indicates that no groundwater was found at a depth of 20 feet at #11 hole. However, considering the large size of the leach field, this single boring test cannot be considered sufficient enough to represent the overall groundwater situation. Additional boring tests near hole #8 are needed to identify the groundwater table for the upper half of the leach site.

Sanitary Sewage Disposal Facility

- 1) You indicate that depth of cover for the leach field trench varies with an average depth of seven feet. Since the groundwater table at this site is relatively shallow (13' at #12 boring hole), we are again concerned about groundwater contamination. It should be noted that minimum vertical separation of four feet be maintained between the bottom of the trench and the highest known groundwater table.

General

- 1) Plan should show the sewer line from the chemical warehouse.
- 2) Specification should be provided including pipe installations, compaction, back-filling, alignment/exfiltration testing, water/sewer line crossing, etc.
- 3) Please address how the runoff is to be diverted away from the leach field site.

xc: Tony Mancini, Groundwater Section, WQD Cheyenne
The Western Company of North America

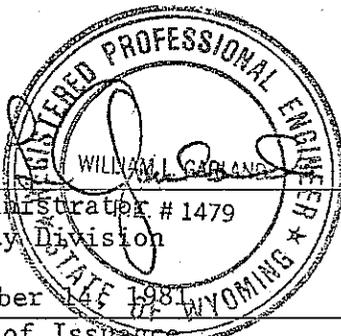
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

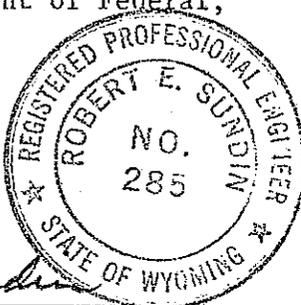
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


William J. Garand
Administrator # 1479
Water Quality Division
December 14, 1984
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

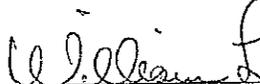
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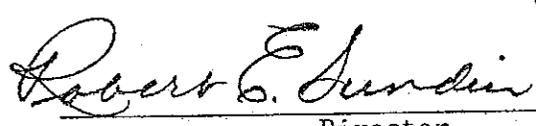
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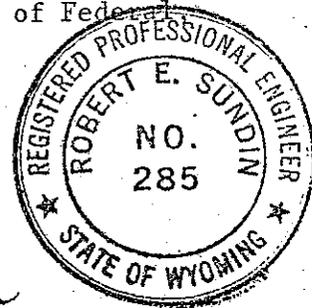
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
August 21, 1981
Date of Issuance


Director
Dept. of Environmental Quality



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

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

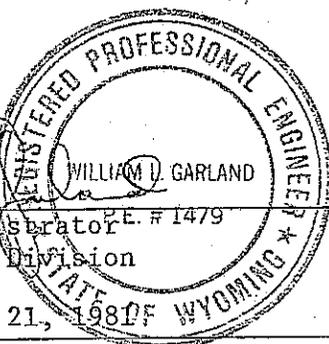
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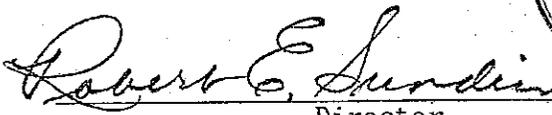
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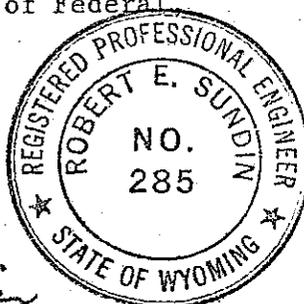
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AUTHORIZED BY:


WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
August 21, 1988
Date of Issuance




Robert E. Sundin
Director
Dept. of Environmental Quality



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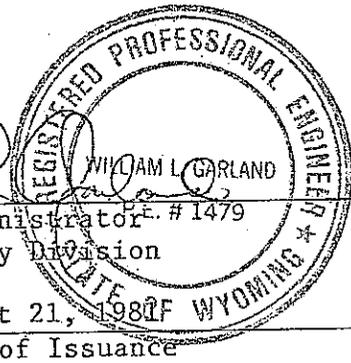
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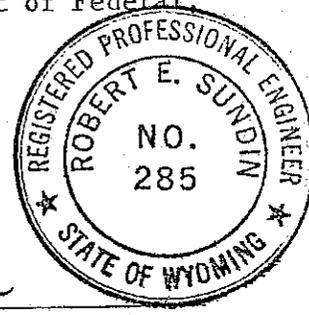
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AUTHORIZED BY:


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




Director
Dept. of Environmental Quality



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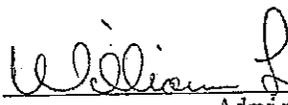
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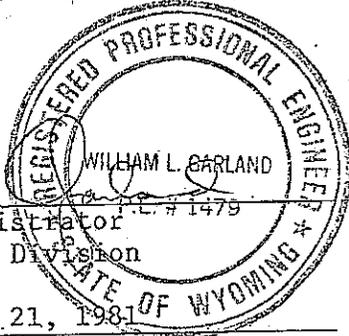
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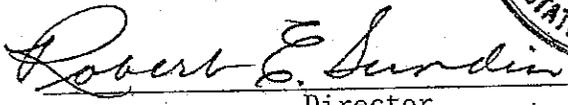
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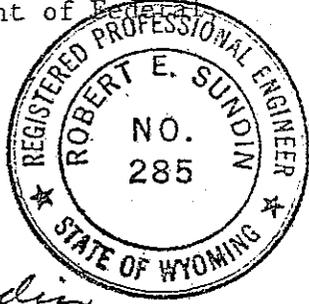
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AUTHORIZED BY:


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



THE STATE OF WYOMING

ED HERSONLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2101 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-872-8457

June 10, 1981

Mr. Roger Funston
ARCO Coal Company
P.O. Box 5300
Denver, Colorado 80217

RE: Review of Applications, Black Thunder Mine Reservoirs
20-BT-Pit 2, 28-SR1, 28-SR2 and 27-SR1 (Reference Nos.
81-232, 81-233, 81-234, and 81-235).

Dear Roger,

As we discussed in my office June 10, 1981, there is some question of the criteria used to compute Times of Concentration and use of a Width Factor for the water sheds served by these reservoirs. You indicated ARCO had prepared a response on similar questions for the Land Quality Division.

Rather than require an additional response, I would be happy to review the response to Land Quality Division, and if it is satisfactory for our purposes, proceed with issuance of the Permits to Construct.

By the way, I neglected to mention that we now need four (4) copies of all information for Permits to Construct for coal mines.

Thank you for your cooperation.

Yours truly,

Tom Mueller
District Supervisor

TM/lrs

xc: Jake Strohman

81-232 -
81-235



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tom Mueller, District Engineer

THROUGH: Tony Mancini, Groundwater Control Supervisor

FROM: Phil Pucel, Engineering Evaluator *PP*

DATE: May 15, 1981

SUBJECT: Black Thunder Mine Review of application for permit to construct 20 BT PIT 2, 27-SR1, 28-SR1, 28-SR2

Overall, the application is in good order. Some general questions have come up concerning the use of the WIDTH FACTOR w_f and the determination of Time of Concentration for each of the structures involved. While using the SCS Handbook as a reference, the WIDTH FACTOR was not found. Where does this factor come from? When using either Fig. 15.2 or Fig. 15.3 in the Handbook, Time of Concentration was found to be about half of that used in calculations in the application. Using the smaller value for T_c would double the peak discharge. Documentation of the value for T_c would clarify the situation.

PP/mlb

plans returned 5-15-81

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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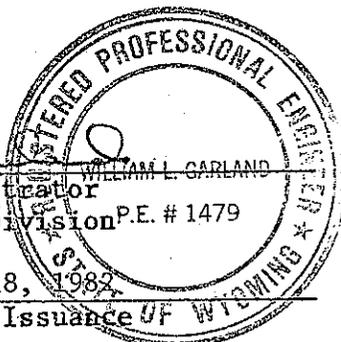
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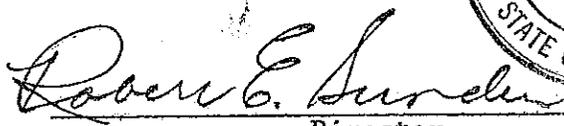
AUTHORIZED BY:



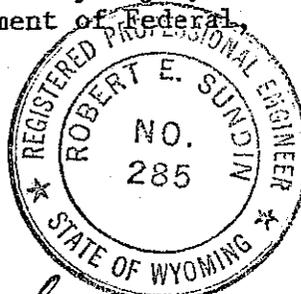
WILLIAM L. GARLAND
Administrator
Water Quality Division P.E. # 1479
March 18, 1982

Date of Issuance





ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



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

CONDITION TO PERMIT TO CONSTRUCT

The intent of the construction authorized by this permit is to provide facilities for the interim collection and treatment of wastewater until such time that treatment is available through a regional wastewater system. The City of Gillette/Campbell County, Non-Metro 201 Facility Plan requires that treatment for the Sleepy Hollow Subdivision be provided through a regional system. At the time services are available through the regional system, the facilities of the Sleepy Hollow Subdivision will be abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan.

xc: Campbell County Engineer's Office



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 19, 1982

Larry Suchor
c/o Larson & Brimacombe
1901 Energy Court, Suite 120
Gillette, WY 82716

Dear Mr. Suchor:

Enclosed is a permit to construct a public water supply and sewage collection main extensions for Sleepy Hollow Subdivision, Phase 3. Please note the special conditions associated with the issuance of this permit.

The City of Gillette/Campbell County Non-Metro 201 Facility Plan establishes requirements for wastewater treatment for a service area which includes Sleepy Hollow Subdivision. Wastewater treatment for this area is to be provided through a regional wastewater treatment facility. The wastewater facilities presently serving the area authorized by this construction permit must be abandoned or integrated into the regional system. The NPDES discharge permit for the existing Sleepy Hollow treatment plant will expire in January 1983. The new discharge permit will include conditions and a schedule for integrating the Sleepy Hollow treatment and collection system into the proposed regional system.

The purpose of this letter is to inform you of the requirements of the facility plan as they relate to permits administered by this office. We encourage you to initiate negotiation with the City of Gillette, Campbell County and affected private citizens leading to an orderly integration of services with the regional system. If you have any questions, please feel free to contact this office (telephone number 777-7781).

Sincerely,

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

William L. Garland
Administrator

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Sleepy Hollow Subdivision, Phase III

ARCHITECT OR ENGINEER: Larson & Brimacombe
1901 Energy Court, Suite 120
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-236

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: June 16, 1981

ACTION: Not Authorized for Construction (see comments)

COMMENTS:

1. It is noted that all proposed water mains are six inch diameter. This subdivision is becoming fairly large and transmission losses are going to become significant at some point in development. Please provide a Hardy-Cross or similar analysis indicating the suitability of proposed and existing main sizes at the anticipated ultimate size of this development.
2. Although a well site is shown on the drawings, no details regarding such a facility are shown. Please indicate and justify the point in development at which additional water supply to the entire Sleepy Hollow water system will become necessary. Such justification should, if possible, rely on existing water consumption data for Sleepy Hollow.
3. An additional water main valve should be provided at the corner of Knickerbocker Street and Greensburgh Avenue in order that the flow from the well site may be diverted in either direction in the event of a main break.
4. The profile on Sheet 15 should be amended to indicate a drop manhole at the intersection of Sleepy Hollow Boulevard and Andre' Court, as shown on Sheet 21.
5. Service Tap Details for both water and sewer are needed.
6. Test pressure and allowable leakage for the water mains must be specified.
7. In the specification for water mains crossing under sewers, it should be specified that the minimum length of the joint of water pipe to be centered at the crossing is twelve (12) feet.
8. Procedure for air testing sewer mains for exfiltration should be specified.



Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-8911

January 3, 1984

James A. Kandolin
Nerco Mining Company
Western Division
P. O. Box 4000
Sheridan, WY 82801

Dear Mr. Kandolin:

As per your letter dated September 21, 1983 we are withdrawing your application for the construction of sedimentation ponds at the Jim Bridger Mine.

The following permit applications are included with this letter.

81-237R for pond numbers JB-20 through JB-36

81-416R which includes ponds JB-7, 9, 10, 11, 101A, through K, and 102 A through K

81-536 requested deletion of ponds JB-20, 22, 23A, 23B, 25, 26, 28, 29A, 29B, 30, 31, 32, 34, and 201-A, C, D, E, and F (retaining JB-27, 36, 37, and 201B)

In addition, 65 additional sediment pond applications are also being withdrawn per your request, these are identified as DEQ/WQD permit application numbers 82-593 through 82-657.

Should you desire to permit these ponds in the future, you will need to resubmit your application.

Enclosed please find one complete set of plans submitted to this office. If you have any questions please do not hesitate to contact me.

Sincerely,

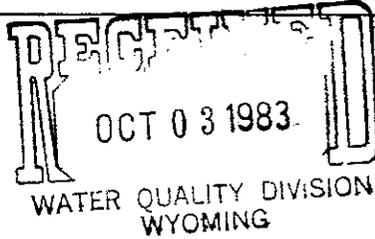
A handwritten signature in cursive script, appearing to read "Jack Bedessem", written over a horizontal line.

Jack Bedessem
Area III Supervisor

JB:mpm

cc: Cheyenne DEQ/WQD
File (2)

NERCO MINING COMPANY
WESTERN DIVISION
P.O. BOX 4000
SHERIDAN, WYOMING 82801
TELECOPIER 307-672-0906
TELEPHONE 307-672-0451



September 21, 1983

Mr. Al Berreth
165 E. Railroad Ave.
Green River, WY 82935

RE: Bridger Coal Company
Permit to Construct Cancellation/Withdrawal

Dear Mr. Berreth:

Due to the implementation of Alternate Sediment Control at the Jim Bridger Mine, many of the current Permits to Construct and a number of pending applications are now obsolete. To avoid confusion and future unnecessary paperwork, Bridger Coal Co. wishes to withdraw the pending applications and cancel current permits identified with this letter.

Current Permits

Bridger Coal Company requests cancellation of Permit No. 81-237R (Phase I) which encompasses initial construction of sediment ponds JB-20 through JB-36 and Permit No. 81-416R, which includes ponds JB-7, 9, 10, 11, 101A through K and 102 A through K.

In addition, Bridger Coal Company requests deletion of the following ponds from Permit No. 81-536 Phase II:

JB-20, 22, 23A, 23B, 25, 26, 28, 29A,
29B, 30, 31, 32, 34,

and 201-A, C, D, E, and F

Note that we wish to retain JB-27, 36, 37 and 201B on Permit No. 81-536 Phase II.

Pending Applications

Bridger Coal Company submitted Permit to Construct applications for 65 sediment ponds on September 23, 1982. These ponds were identified in 20 separate applications which Bridger Coal Company wishes to withdraw at this time.

82-640
JB-108-C

Ponds Less Than 2 AC.FT. Capacity
NERCO Pond I.D. No

JB-104-A
JB-108-A
JB-104-B
JB-104-C
JB-104-D
JB-104-E
JB-104-F
JB-104-G
JB-105-A
JB-105-B
JB-105-C
JB-106-A
JB-106-B
JB-106-C
JB-106-D
JB-106-E
JB-106-F
JB-106-G
JB-106-J

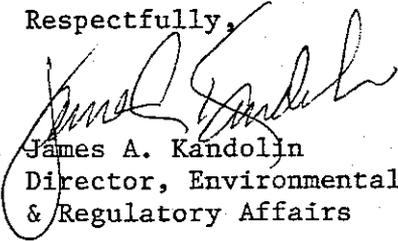
JB-107-A
JB-107-B
JB-107-C
JB-107-D
JB-107-E
JB-108-B
JB-108-D
JB-108-H
JB-108-I
JB-108-J
JB-108-K
JB-108-L
JB-108-M
JB-108-N
JB-108-O
JB-108-P
JB-108-Q
JB-108-R
JB-108-S
JB-109-A
JB-109-B
JB-43
JB-52
JB-53
JB-54
JB-55
JB-56

Ponds Greater Than 2 AC.FT. Capacity
NERCO Pond I.D. No.

JB-38
JB-39
JB-42
JB-44
JB-45
JB-46
JB-47A
JB-47B
JB-48
JB-49
JB-50
JB-51
JB-29A
JB-32
JB-34B
JB-37
JB-201A
JB-201E

If you have questions or require additional information, please call.

Respectfully,


James A. Kandolin
Director, Environmental
& Regulatory Affairs

BNN/lm

cc: Rick Engelmann

NERC MINING COMPANY
WESTERN DIVISION
P.O. BOX 4000
SHERIDAN, WYOMING 82801
TELECOPIER 307.672.0906
TELEPHONE 307.672.0451



November 3, 1983

Mr. Jack Bedessem
Wyoming Department of
Environmental Quality
Water Quality Division
165 East Railroad Avenue
Green River, WY 82935

Subject: Bridger Coal Company
Permit to Construct Application Withdrawal

Dear Mr. Bedessem:

Our September 21, 1983, letter to your office requesting cancellation of sediment pond construction permits inadvertently left pond JB-108-C off of the list. We do wish to cancel that sediment pond application for a Permit to Construct.

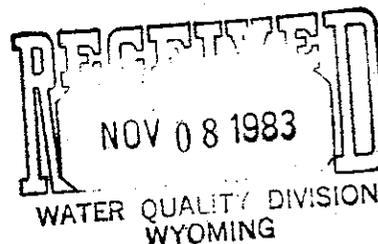
I apologize for any inconvenience this error has caused your office.

Sincerely,

A handwritten signature in cursive script that reads "Bruce N. Nelson".

Bruce N. Nelson
Compliance Engineer

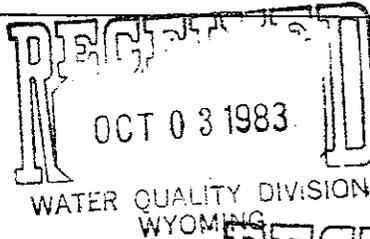
BNN:cyr



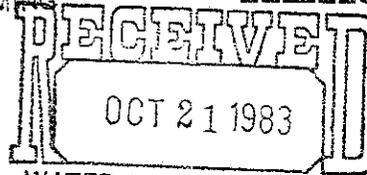
NERCO MINING COMPANY
WESTERN DIVISION
P.O. BOX 4000
SHERIDAN, WYOMING 82801
TELECOPIER 307-672-0906
TELEPHONE 307-672-0451

81-237R

September 21, 1983



Mr. Al Berreth
165 E. Railroad Ave.
Green River, WY 82935



RE: Bridger Coal Company
Permit to Construct Cancellation/Withdrawal

Dear Mr. Berreth:

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29B, 30, 31, 32, 34,

and 201-A, C, D, E, and F

Note that we wish to retain JB-27, 36, 37 and 201B on Permit No. 81-536 Phase II.

Pending Applications

Bridger Coal Company submitted Permit to Construct applications for 65 sediment ponds on September 23, 1982. These ponds were identified in 20 separate applications which Bridger Coal Company wishes to withdraw at this time.

82-593 thru 82-657

Ponds Less Than 2 AC.FT. Capacity
NERCO Pond I.D. No

Ponds Greater Than 2 AC.FT. Capacity
NERCO Pond I.D. No.

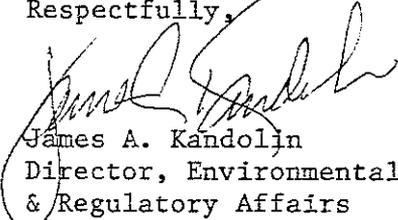
JB-104-A - 82-615
 JB-108-A - 82-638
 JB-104-B - 82-616
 JB-104-C - 82-617
 JB-104-D - 82-618
 JB-104-E - 82-619
 JB-104-F - 82-620
 JB-104-G - 82-621
 JB-105-A - 82-622
 JB-105-B - 82-623
 JB-105-C - 82-624
 JB-106-A - 82-625
 JB-106-B - 82-626
 JB-106-C - 82-627
 JB-106-D - 82-628
 JB-106-E - 82-629
 JB-106-F - 82-630
 JB-106-G - 82-631
 JB-106-J - 82-632

JB-107-A - 82-633
 JB-107-B - 82-634
 JB-107-C - 82-635
 JB-107-D - 82-636
 JB-107-E - 82-637
 JB-108-B - 82-639
 JB-108-D - 82-641
 JB-108-H - 82-642
 JB-108-I - 82-643
 JB-108-J - 82-644
 JB-108-K - 82-645
 JB-108-L - 82-646
 JB-108-M - 82-647
 JB-108-N - 82-648
 JB-108-O - 82-649
 JB-108-P - 82-650
 JB-108-Q - 82-651
 JB-108-R - 82-652
 JB-108-S - 82-653
 JB-109-A - 82-654
 JB-109-B - 82-655
 JB-43 - 82-600
 JB-52 - 82-610
 JB-53 - 82-611
 JB-54 - 82-612
 JB-55 - 82-613
 JB-56 - 82-614

JB-38 - 82-597
 JB-39 - 82-598
 JB-42 - 82-599
 JB-44 - 82-601
 JB-45 - 82-602
 JB-46 - 82-603
 JB-47A - 82-604
 JB-47B - 82-605
 JB-48 - 82-606
 JB-49 - 82-607
 JB-50 - 82-608
 JB-51 - 82-609
 JB-29A - 82-593
 JB-32 - 82-594
 JB-34B - 82-595
 JB-37 - 82-596
 JB-201A - 82-656
 JB-201E - 82-657

If you have questions or require additional information, please call.

Respectfully,



James A. Kandolin
 Director, Environmental
 & Regulatory Affairs

BNN/lm

cc: Rick Engelmann

82-640

JB-108-C
not included in list

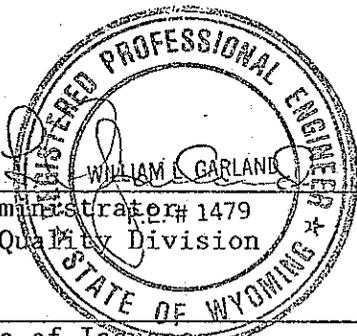
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

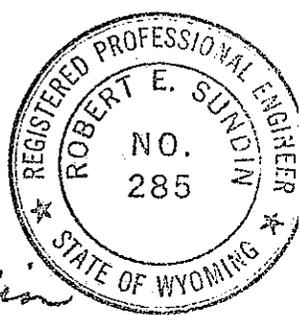
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



Administrator # 1479
Water Quality Division
Date of Issuance



Director
Dept. of Environmental Quality

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

AJB:crb

PERMIT TO CONSTRUCT

Permit No. 81-237R Phase I

- New
- Renewal
- Modified

Jim Bridger Mine
(Name of Facility)

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

Bridger Coal Company
P. O. Box 2068
Rock Springs, WY 82901

to construct, ~~XXXXXX~~, ~~or modify~~ ~~XXXXXX~~ Sediment Ponds IR20 through 36 (Phase I Construction is defined as Sediment pond construction only).

_____ facility according to the procedures and conditions of the application No. 81-237R. The facility is located in Sec. 18, 19, 20, 24, 28, 33, 36, T21N, R100W

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

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

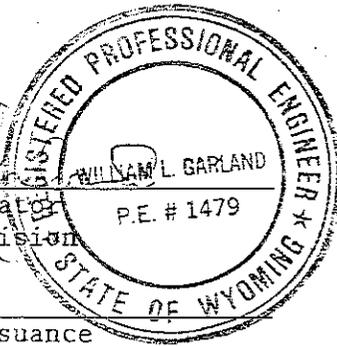
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

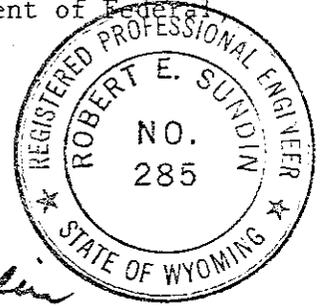
William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality



June 5, 1981

Date of Issuance

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

FL:sj

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Jim Bridger Mine Sediment Ponds JB-20 through JB-36.

ENGINEER: NERCO, Inc. NERCO, Inc.
111 SW Columbia, Suite 800 550 Main Street
Portland, OR 97204 Lander, WY 82520
ATTN: John Larson ATTN: James A. Kandolin

OWNER: Bridger Coal Company
111 SW Columbia, Suite 800
Portland, OR 97204

WATER QUALITY DIVISION REFERENCE NUMBER: 81-237

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

DATE OF REVIEW: May 11, 1981

ACTION: Not authorized.

COMMENTS:

The revised "Application for Permit to Construct" sediment ponds JB-20 through JB-37 has been reviewed. Most of the questions raised in my January 6, 1981 review have been answered to the satisfaction of this office, however the following points still need to be resolved before a "Permit to Construct" can be issued.

1. What is the anticipated life of the ponds?
2. As I understand, several of the ponds are existing and will have to be modified to comply with the approved plans. A statement that all control structures shall be constructed before the lands are affected is required for those areas to which it applies.
3. The question of isolating topsoil stockpiles was not addressed in the reply. Mr. James Kandolin has told me that this will be addressed in the next application, which will consider an area runoff sediment control facilities plan. This should be referenced in this application. All topsoil stockpiles outside the drainage areas must be addressed.
4. The drawings show "diversion" ditch cross-sections. They should be referred to interceptor or collector ditches to avoid confusion with ditches which divert runoff around the defined drainage areas.

Review of Plans and Specifications

Jim Bridger Mine Sediment Ponds JB-20 through JB-36, DEQ #81-237

Date of Review - May 11, 1981

Page Two

5. All interceptor ditches should be shown on the drainage area maps (see map for JB-20). This includes where they enter the sediment pond as well as where any outflow channels would be located. The location of outflow channels should be clearly identified for those ponds to which they apply. Calculations and detailed drawings are needed of these channels. The plans refer to inlet and outflow channels. Unless there are specific channels, it would help to clarify the matter if the word, "channel," was not used.
6. The plans note that "diversion" ditches shall be rip-rapped. I take that to mean the entire length of the ditch will be rip-rapped. Is this correct?
7. The statement that rip-rap will be employed at the discretion of the engineer in charge and when the channel velocities and bed material present the potential for significant erosion is very vague. The original drawings showed a typical inlet and outlet channel protection detail, while the revised plans do not. Why?

Interceptor ditches should be rip-rapped at changes in direction or changes in slope (i.e., nick points) where the velocity is greater than 3 fps. (Refer to Land Quality Division Guideline No. 8.) Inlet and outlet channels and sides should have some type of erosion control, preferably as shown on the original plans. Rip-rap details are needed and should be completely covered in the construction specifications, also (i.e., material, size of material, depth of material, method of installation, etc.)

The plans must be clear as to how far up the banks the rip-rap will be, and how far it will extend horizontally in the ditch and pond in question.

8. If a pond does not have an interceptor ditch, a detail of one should not be shown on the drawing as this is very confusing. An example is JB-20.
9. Under the section headed, "Operations," it is stated the capacity of the sediment ponds will be calibrated using a staff gauge located within the sediment pond. A statement should be included in the construction specifications that staff gauges are to be installed in all ponds. Wooden staff gauges should not be used, as they will float; metal gauges are preferred.
10. Under the Dewatering Procedure section, no reference is made as to how long it will take to dewater a pond. An estimate of how long it will take to dewater the ponds is needed. It must be specifically stated that the ponds will be dewatered as soon as the effluent meets the discharge permit parameters following a precipitation event.
11. A handwritten copy of this review letter is being given to Mr. James Kandolin in the interest of saving as much time as possible. A formal review letter is to follow as soon as possible.

Please submit four copies of the requested information and revised drawings. If you have any questions, contact me at this office. This does not necessarily constitute the final review.

FL:nb

PERMIT TO CONSTRUCT

New

Permit No. 81-238

Renewal

Modified

"A" Street Sewer Extension

(Name of Facility)

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

City of South Superior

P.O. Box 307

South Superior, WY 82945

to construct, install, or modify a 475 foot sewer main extension

facility according to the procedures and conditions of the application No. 81-238. The facility is located in Sec. 26, T. 21N, R. 102W

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

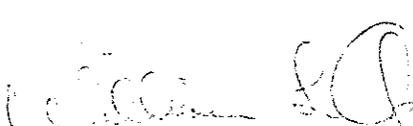
working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

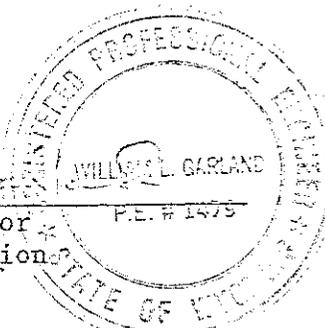
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

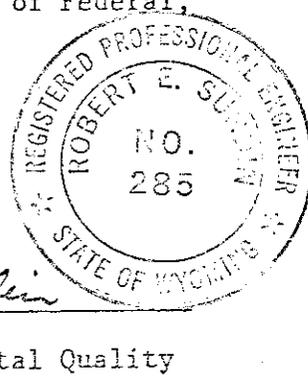


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



May 6, 1981
Date of Issuance

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

AB/kn

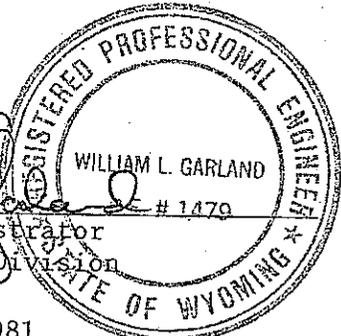
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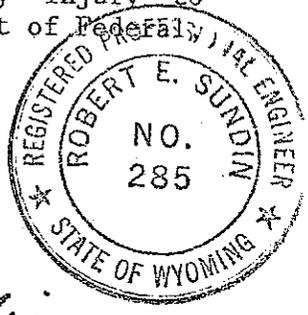
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

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AUTHORIZED BY:


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


Robert E. Sundin
Director
Dept. of Environmental Quality

June 12, 1981
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Haines Trucking Company

ENGINEER: None

OWNER: Leonard L. Haines
P. O. Box 263
Worland, WY 82401

WATER QUALITY DIVISION REFERENCE NUMBER: 81-239

REVIEWING ENGINEER: Jeff Hermansky



DATE OF REVIEW: June 3, 1981

ACTION: Not authorized.

COMMENTS:

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

1. Please describe the intended use of the proposed building, number of employees, number of hours per day employees in building, number of toilets, showers and other sources of wastewater.
2. What is the estimated gallons of wastewater per day?
3. What is the percolation rate of the soil in the area of the proposed leach field?
4. What material is the septic tank to be made of? (Who is the tank manufacturer?)
5. The plan sheet needs to be more detailed showing the septic tank, leach field, the 100 year flood plain limits, distance from field and tank to waterways, any nearby wells, and the building.
6. The check list shows the field to have a PVC liner proposed. Disposal fields should not be lined.

7. The total depth of cover and depth of gravel over the distribution lines is shown to be 24 inches; which would indicate gravel extending from the lines to the surface. The top 12 inches of the distribution trench should be backfilled with soil so the trench doesn't act as a drain for surface runoff.
8. If the 200 ft² leach area is found to be satisfactory, it would be better to use two 50 foot trenches rather than one 100 foot trench (if site conditions allow such an arrangement).
9. The resubmittal of this application must be signed by a licensed Professional Engineer registered in Wyoming.

If you have any questions, please call Robin Collins or myself.

JCH/dl



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 6, 1984

Rodney Krebs
Gerl Construction
P.O. Box 21
Glen Rock, PA 17327

Dear Mr. Krebs:

On June 23, 1981, a status letter was sent to you concerning a permit to construct, reference number 81-240, facility name North Platte Sanitary Sewer. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "LeRoy C. Feusner".

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

LCF/nc

7-1-81

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
401 West 19th Street
Cheyenne, Wyoming 82002

PROJECT: North Platte Sanitary Sewer (Section 2)

APPLICANT: Rodney Krebs, Gerl Construction Co. of WY
P.O. Box 21, Glen Rock, PA 17327

WATER QUALITY DIVISION REFERENCE NUMBER: 81-240

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

DATE OF REVIEW: June 23, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

I have been awaiting additional information concerning the application to reinject groundwater on the North Platte Sanitary Sewer (Section 2). As it has been awhile since you started construction, do you still wish to continue with your application or do you feel it is no longer necessary?

5-26-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-241

See Special Condition

Denton Brothers Drilling, Inc.
(Name of Facility)

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

Denton Brothers Drilling, Inc.

P. O. Box 2304

Casper, WY 82602

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-241. The facility is located in Section 2, T33N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

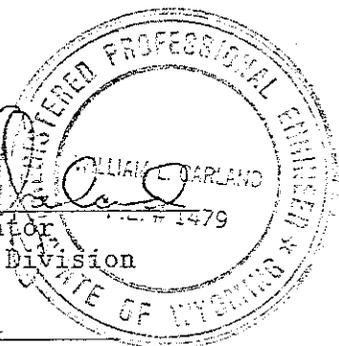
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

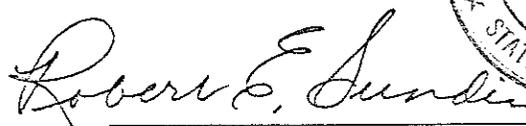
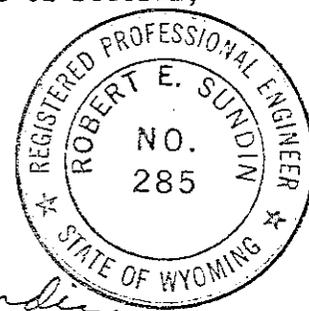
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


Administrator
Water Quality Division
1479



Director
Dept. of Environmental Quality


May 15, 1981
Date of Issuance

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

cc: Gray C. Wangelin
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.

5-26-81

PERMIT TO CONSTRUCT

Permit No. 81-242

New

Renewal

Modified

Fairway Addition, 3rd Filing
(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a municipal public water supply and wastewater collection/stormwater collection systems facility according to the procedures and conditions of the application No. 81-242. The facility is located in Section 24, T14N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

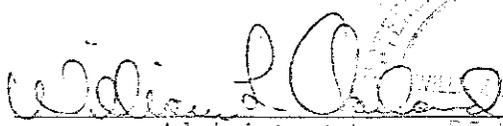
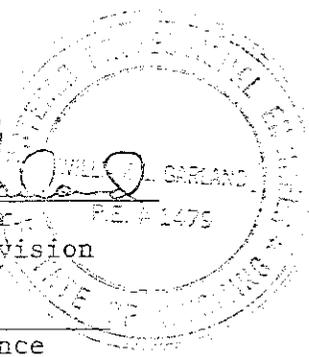
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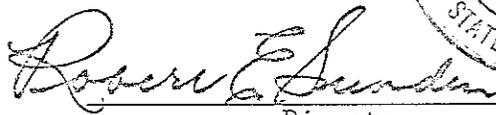
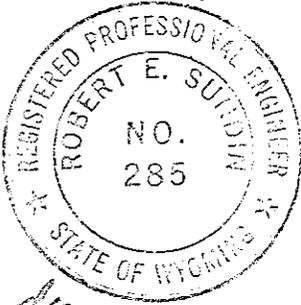
permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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


Administrator, P.E. # 1476
Water Quality Division



Director
Dept. of Environmental Quality


May 14, 1981
Date of Issuance

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

cc: Jon Anderson
AVI
7300 Yellowstone Road
Cheyenne, WY 82001

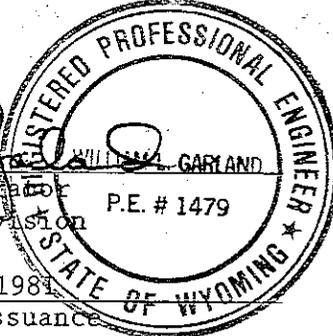
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

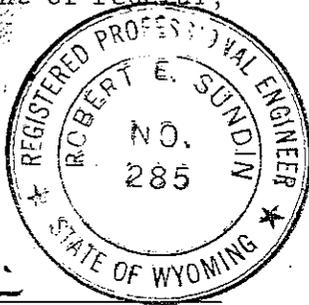
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
P.E. # 1479
May 29, 1984
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL:nb

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: 12 inch Main, Walnut & Blair to "D" Street Pump Station

ENGINEER: Pacific Power & Light Company
920 S.W. Sixth Avenue
Portland, OR 97204
Attention: Robert L. Svendsen

OWNER: Pacific Power & Light Company
920 S.W. Sixth Avenue
Portland, OR 97204

WATER QUALITY DIVISION REFERENCE NUMBER: 81-243

REVIEWING ~~ENGINEER~~ ^{XXXXXXXXXX} EVALUATOR: Francis LaBarge *FL*

DATE OF REVIEW: May 15, 1981

ACTION: Not authorized.

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

1. What is the expected operating pressures? This is needed to verify the pipe class. Please provide the design calculations.
2. A fire hydrant detail is needed.
3. One set of plans has no Sheet 5. This set of plans will be returned to you after the plans have been approved as we discussed.
4. A permit is required for any dewatering that will take place during construction. Enclosed is the necessary form. It should be self-explanatory. Fill it out and send it to the address on the back of the form.

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

FL/kn

Enclosure

A.C

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: 12 inch Main, Connecticut & Railroad to Freemont Avenue

ENGINEER: Pacific Power & Light Company
920 S.W. Sixth Avenue
Portland, OR 97204
Attention: Robert L. Svendsen

OWNER: Pacific Power & Light Company
920 S.W. Sixth Avenue
Portland, OR 97204

WATER QUALITY DIVISION REFERENCE NUMBER: 81-244

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

DATE OF REVIEW: May 15, 1981

ACTION: Not authorized.

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

1. Please provide a location plan.
2. A water line profile is needed. If you can verify the area is level and the line is to be installed at least 6 feet deep on a uniform grade and there are no sewer line crossings, a profile will not be required.
3. What is the expected operating pressures? This is needed to verify the pipe class. Please provide the design calculations.
4. It appears a blowoff will be required on Sheet 2, Detail B.
5. Why is the casing being proposed under Connecticut Avenue?
6. A permit is required for any dewatering that will take place during construction. Enclosed is the necessary form. It should be self-explanatory. Fill it out and send it to the address on the back of the form.

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

FL/kn

Enclosure

A, B, C

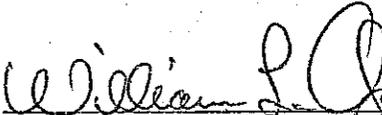
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

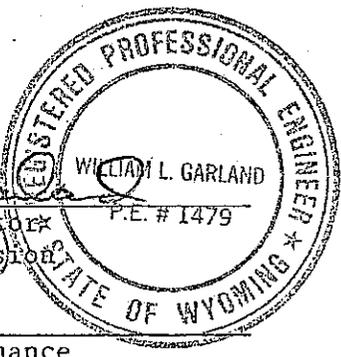
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



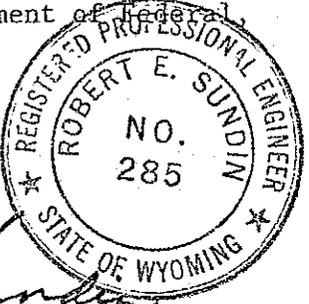
Administrator
Water Quality Division



WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING



Director
Dept. of Environmental Quality



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

June 9, 1981
Date of Issuance

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

FL:sj

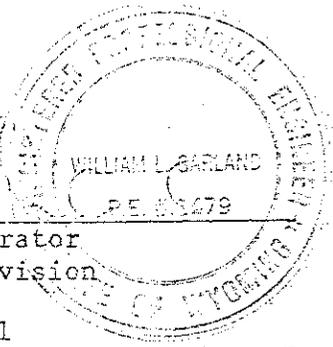
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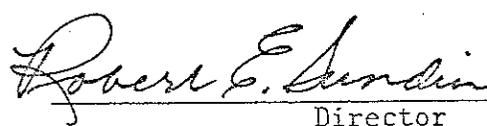
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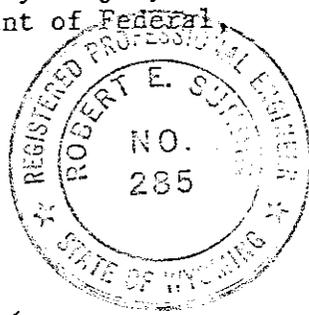
AUTHORIZED BY:

Administrator
Water Quality Division
May 6, 1981
Date of Issuance



Director
Dept. of Environmental Quality



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

MRC/kn

LEJ 5-26-81

PERMIT TO CONSTRUCT

New

Permit No. 81-246

Renewal

See Special Condition

Modified

Montevue Addition - 3rd Filing
(Name of Facility)

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

Big Wyoming Associates, Ltd.

1124 Dunn Avenue

Cheyenne, WY 82001

to construct, install, or modify a public water supply and sanitary sewer facility according to the procedures and conditions of the application No. 81-246. The facility is located in Section 28, T16N, 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.

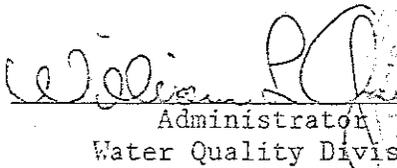
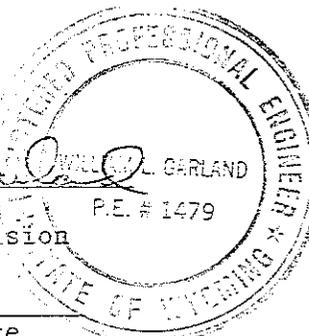
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

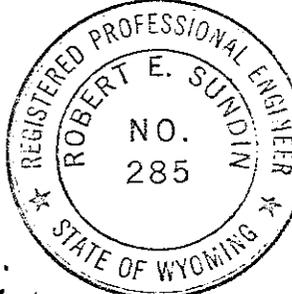
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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


Administrator
Water Quality Division
P.E. # 1479



Director
Dept. of Environmental Quality


May 19, 1981
Date of Issuance

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

cc: Philip M. Hoyt
Laramie Engineering, P.C.
504 South 4th Street
Laramie, WY 82070

Special Conditions

1. The water mains and sanitary sewer shall be installed in accordance with the Wyoming Public Works Standards as per David G. Hammond's letter dated May 1, 1981.
2. Sewer connections are prohibited in the sewer pipe stubs in 13th Street and 15th Street, north of Grafton Street.

25 5-26-51

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-247

Highland Park Relief Sewer (Section 1)
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a municipal wastewater collection system facility according to the procedures and conditions of the application No. 81-247. The facility is located in Section 10, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

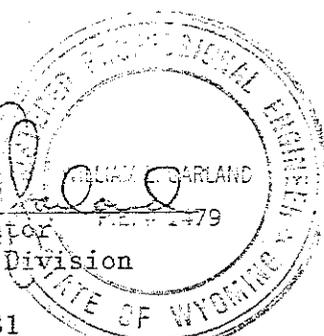
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

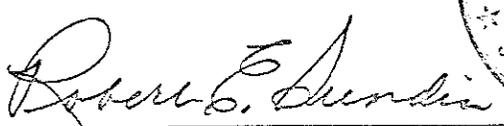
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:


Administrator
Water Quality Division
MAY 14 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

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

LE 5-26-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-248

See Special Condition

Totran Services Limited
(Name of Facility)

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

Sid Hard

P. O. Box 217

Mills, WY 82644

to construct, install, or modify a commercial subsurface wastewater disposal facility according to the procedures and conditions of the application No. 81-248. The facility is located in E 1/2, Section 4, T34N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

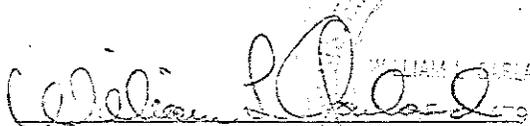
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

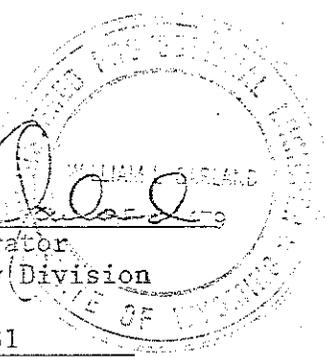
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

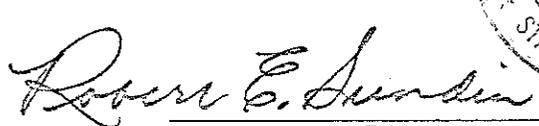
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

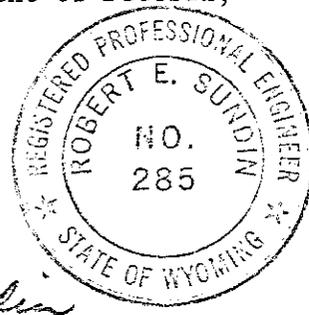
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division
May 14, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

cc: Gray C. Wangelin, P.E.
EITS
145 South Durbin, Suite 204A
Casper, WY 82604

Chuck Davis, Director of Planning

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. 81-249

See Special Condition

Oregon Trail Lagoon
(Name of Facility)

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

Town of Glenrock

P. O. Box 417

Glenrock, WY 82637

to construct, install, or modify a lagoon discharge structure facility according to the procedures and conditions of the application No. 81-249. The facility is located in Section 3, T33N, R75W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

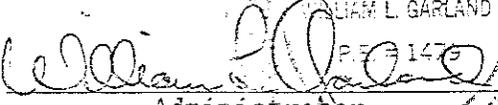
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

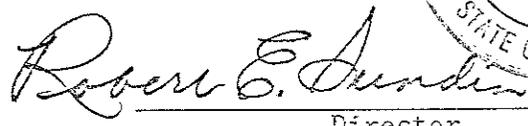
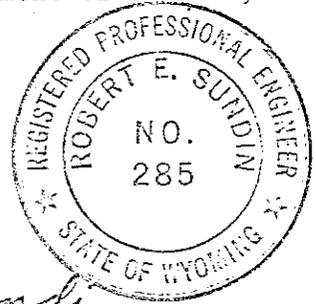
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AUTHORIZED BY:


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



 Director
 Dept. of Environmental Quality


May 15, 1981
 Date of Issuance

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

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

Carolyn Thomas-Lewis

Special Condition

1. This construction permit is issued with the understanding that the discharge structure is temporary only. A permanent solution to the hydraulic overloading of this facility shall be implemented.
2. A scum baffle should be installed at the lagoon discharge to prevent the discharge of floating solids.
3. The 2 x 4 supports used to hold the discharge weir in place should be treated to prevent them from rotting.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-250 R

Neighborhood Alliance Church
(Name of Facility)

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

John Fixture

Box 1233

Riverton, WY 82501

to construct, install, or modify a _____

Septic tank - leach bed

_____ facility according to the procedures and conditions of the application No. 81-250 R. The facility is located in _____

Sec. 30, T1N, R4E

_____ in the County of Fremont,

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.

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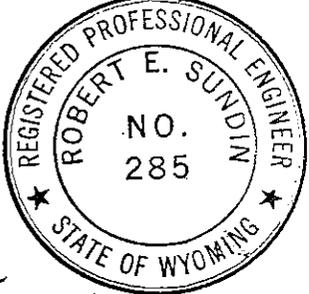
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completion of this project. The authorized representative in your area can be
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Officer, State of Wyoming, Department of Environmental Quality, Water Quality Divi-
sion, 933 Main Street, Lander, Wyoming, 82520; telephone 332-3144.

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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


Robert E. Sundin
Director
Dept. of Environmental Quality

May 21, 1981
Date of Issuance

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

JH/ch