

PERMIT TO CONSTRUCT

New

Permit No. 81-1

Renewal

Modified

SEDIMENT PONDS ~~6-1~~, 7-1, 7-2 and SERVICE AREA SEDIMENT POND
(Name of Facility)

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

Jacob's Ranch Mine
Kerr-McGee Coal Corporation

Caller Box 30013

Gillette, Wyoming 82716

to construct, install, or modify a sediment and runoff control
pond

facility according to the procedures and conditions of the application

No. 81-1. The facility is located in Sections 6, 7, T.43N,
69W.; Section 15, T.43N., R.70W.

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

The issuance of this permit provides that the Department of Environ-
mental 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 responsi-
bility of the applicant, owner, or operator.

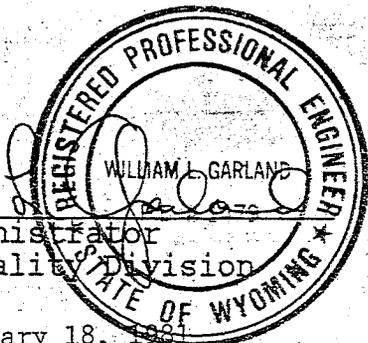
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation 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.

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.

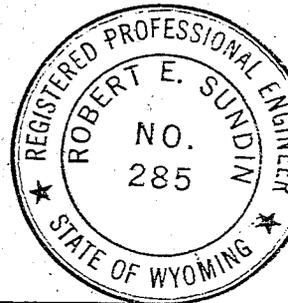
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division

February 18, 1981
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality

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

xc: Doyl Fritz
Western Water Consultants
P.O. Box 3042
Sheridan, WY 82801



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 21, 1981

CERTIFIED MAIL

Mr. Robert Mayhan
P.O. Box 255
Fort Bridger, Wyoming 82933

RE: Wastewater Disposal System, DEQ #81-2

Dear Mr. Mayhan:

Please find enclosed a letter sent to Howard Walker concerning the septic tank/leach field system installed for your trailer and Roger Smith's trailer by Davis Construction Co. Mr. Walker has informed this office that you and Mr. Smith are the owners of the facility. You and Mr. Smith, as owners of the facility, are responsible for obtaining the "Permit to Construct", which was never done.

Enclosed is a copy of the "as built" plans submitted to this office. Have an engineer, who is registered in the State of Wyoming, resubmit the plans, in triplicate. The above points need to be addressed and the minimum design standards for small wastewater facilities in Appendix B of Chapter III of the Wyoming Water Quality Rules and Regulations must be met. The plans must also show the sewer line from the two trailer to the septic tank (profile view) and the water lines from the well to the trailers. These water and sewer line crossings must meet minimum standards also. Unless Wes Davis is a registered engineer in this state, he is not qualified to resubmit the plans.

It is the decision of this office that the revised plans be received in this office by May 15, 1981. The reason for this date is that, in order to run the percolation tests, the ground must be thawed out. Upon receipt of the plans, this office will conduct another review. If the plans meet minimum design standards, you will be issued a letter stating such; if not, additional revisions of the plans will be requested.

B

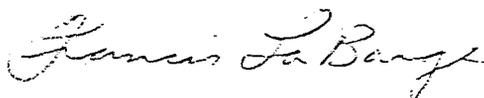
Mr. Robert Mayhan
January 21, 1981
Page Two

Once the plans are accepted, the waste disposal system must be brought into compliance. It is the decision of this office that by June 1, 1981, the facility be modified to comply with the approved plans. Therefore, prior to that date, you are requested to notify this office of when the modifications will be made. A representative of this office will then make an on-site inspection to insure that the modifications are in compliance with the approved plans. If they are, you will be issued a letter stating such and the matter will be closed; if not, this will leave this office no choice but to seek compliance by enforcement.

Please respond to this office, in writing, within thirty (30) days of your receipt of this letter.

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

Sincerely,



Francis LaBarge
Water Quality Engineer
Southwest District

FL: nb
Enclosures

cc: Cheyenne DEQ/WQD
Ann DeHoff, DEQ/WQD
Dennis Farley
Davis Construction
Howard Walker



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 21, 1981

CERTIFIED MAIL

Mr. Roger Smith
P.O. Box 170
Fort Bridger, Wyoming 82933

RE: Wastewater Disposal System, DEQ #81-2

Dear Mr. Smith:

Please find enclosed a letter sent to Howard Walker concerning the septic tank/leach field system installed for your trailer and Robert Mayhan's trailer by Davis Construction Co. Mr. Walker has informed this office that you and Mr. Mayhan are the owners of the facility. You and Mr. Mayhan, as owners of the facility, are responsible for obtaining the "Permit to Construct", which was never done.

Enclosed is a copy of the "as built" plans submitted to this office. Have an engineer, who is registered in the State of Wyoming, resubmit the plans, in triplicate. The above points need to be addressed and the minimum design standards for small wastewater facilities in Appendix B of Chapter III of the Wyoming Water Quality Rules and Regulations must be met. The plans must also show the sewer line from the two trailers to the septic tank (profile view) and the water lines from the well to the trailers. These water and sewer line crossings must meet minimum standards also. Unless Wes Davis is a registered engineer in this state, he is not qualified to resubmit the plans.

It is the decision of this office that the revised plans be received in this office by May 15, 1981. The reason for this date is that in order to run the percolation tests the ground must be thawed out. Upon receipt of the plans, this office will conduct another review. If the plans meet minimum design standards, you will be issued a letter stating such; if not, additional revisions of the plans will be requested.

B

Mr. Roger Smith
January 21, 1981
Page Two

Once the plans are accepted, the waste disposal system must be brought into compliance. It is the decision of this office that by June 1, 1981, the facility be modified to comply with the approved plans. Therefore, prior to that date, you are requested to notify this office of when the modifications will be made. A representative of this office will then make an on-site inspection to insure that the modifications are in compliance with the approved plans. If they are, you will be issued a letter stating such and the matter will be closed; if not, this will leave this office no choice but to seek compliance by enforcement.

Please respond to this office, in writing, within thirty (30) days of your receipt of this letter.

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

Sincerely,



Francis LaBarge
Water Quality Engineer
Southwest District

FL:nb

Enclosures

CC: Cheyenne DEQ/WQD
Ann DeHoff, DEQ/WQD
Dennis Farley
Davis Construction
Howard Walker

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

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

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

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

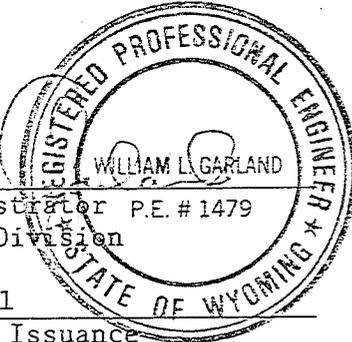
AUTHORIZED BY:

William L. Garland

Administrator P.E. # 1479
Water Quality Division

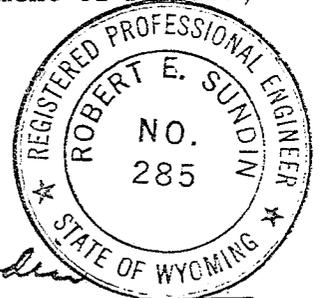
June 5, 1981

Date of Issuance



Robert E. Sundin

Director
Dept. of Environmental Quality



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

FL:sj



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 14, 1981

CERTIFIED MAIL

Mr. Howard Walker
Star Route, Box 1
Lyman, WY 82937

Re: Wastewater Disposal System Located
in Sec. 5, T. 15N, R. 114W, Uinta
County, DEQ #81-2

Dear Mr. Walker:

This office has received the "as built" plans of the above referenced system that was installed by Davis Construction. Review of the plans has been completed and the following items need to be resolved:

1. What is the ground slope in the area where the septic tank-leach field are located?
2. In order to determine the minimum size of the leach field, percolation tests need to be run on the leach field site.
3. The leach field is unacceptable. Proper leach field design is shown on the Disposal Field Detail Sheet.

Enclosed is a copy of the "as built" plans submitted to this office. Have an engineer registered in the State of Wyoming, resubmit the plans, in triplicate. The above points need to be addressed and the minimum design standards for small wastewater facilities in Appendix B of Chapter III of the Wyoming Water Quality Rules and Regulations must be met. The plans must also show the sewer line from the two trailers to the septic tank (profile view) and the water lines from the well to the trailers. These water and sewer line crossings must meet minimum standards also. Unless Wes Davis is a registered engineer in this state, he is not qualified to resubmit the plans.

It is the decision of this office that the revised plans be received in this office within thirty (30) days of your receipt of this letter. Upon receipt of the plans, this office will conduct another review. If the plans meet minimum design standards, you will be issued a letter stating such; if not, additional revisions of the plans will be requested.

A, B, C

January 14, 1981

Once the plans are accepted, the waste disposal system must be brought into compliance. It is the decision of this office that by June 1, 1981, the facility be modified to comply with the approved plans. Therefore, prior to that date, you are requested to notify this office of when the modifications will be made. A representative of this office will then make an on-site inspection to insure that the modifications are in compliance with the approved plans. If they are, you will be issued a letter stating such and the matter will be closed; if not, this will leave this office no choice but to seek compliance by enforcement.

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

Sincerely,



Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosure

cc: Cheyenne DEQ/WQD ✓
Ann DeHoff - DEQ/WQD
Dennis Farley
Davis Construction

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.

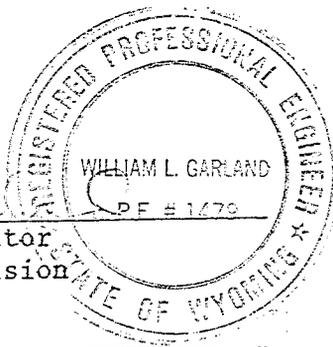
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

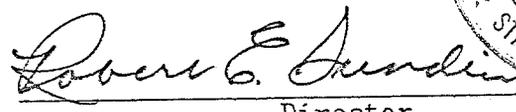
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AUTHORIZED BY:

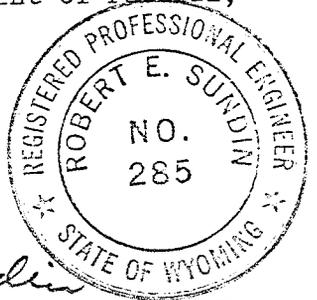


Administrator
Water Quality Division
May 7, 1981
Date of Issuance





Director
Dept. of Environmental Quality



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

FL/kn

Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 7, 1981

Desert Development
620 B Street
Rock Springs, WY 82901

Attention: Ray Sarcletti

Re: Addition to Desert Village Mobile
Home Court, DEQ #81-3RRR

Dear Mr. Sarcletti:

The revised plans for the above referenced project have been accepted by this office. The permit has been sent to Cheyenne for the necessary signatures. You should receive it and a copy of the accepted plans in two to three weeks.

In the interest of bringing this mobile home court into compliance with the accepted plans as soon as possible, all necessary modifications may begin upon your receipt of this letter. As stated in my January 12, 1981, letter, the park must be in compliance by June 1, 1981.

Please have your representative contact me as soon as possible to set up a date for an on-site inspection during the first week of June. If the park is found to be in compliance with the accepted plans, a letter stating such will be issued and the matter closed. If the park is not in compliance, this office will have no choice but to refer the matter to the Attorney General's office.

Yours truly,

Francis LaBarge
Water Quality Evaluator
Southwest District

FL/kn

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Wayne Johnson - Johnson, Fermelia & Crank
Glen Sugano - Public Works Director, Rock Springs

NORMA



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 8, 1981

CERTIFIED MAIL

Mr. Ray Sarcletti
Desert Development
620 B Street
Rock Springs, WY 82901

Re: Addition to Desert Village Mobile Home
Court, DEQ #81-3R

Dear Mr. Sarcletti:

A response to my February 25, 1981 letter and February 24, 1981 review letter was due in this office on April 1, 1981. As of this date I have not received any reply.

Please be advised that a response must be received by April 20, 1981. Failure to receive a reply by this date will result in the recommendation that a Notice of Violation be issued and the matter be referred to the Attorney General's office for possible enforcement action.

Yours truly,

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Wayne Johnson - Johnson, Fermelia & Crank
Glen Sugano - Public Works Director, Rock Springs

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Desert Village Mobile Home Court

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

OWNER: Desert Development
620 B Street
Rock Springs, WY 82901
ATTN: Ray Sarcletti

WATER QUALITY DIVISION REFERENCE NUMBER: 81-3R

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

DATE OF REVIEW: February 24, 1981

ACTION: ~~NOT APPROVED~~ "As Builts" NOT Approved.

COMMENTS: The following points remain to be clarified.

1. The enclosed "Application for Permit to Construct" must be filled out, but do not sign it, and returned to this office in triplicate.
2. A letter of verification is needed from the City of Rock Springs stated they are capable of handling the added organic and/or hydraulic loads that will be imposed upon their sewage system.
3. A letter of verification is needed from Pacific Power and Light stating they can adequately supply 350 gallons of water per mobile home at the minimum required pressure of 20psi under all conditions of flow.
4. Resolved. Sewer System
5. Resolved.
6. Resolved.
7. Resolved.
8. Resolved
9. Resolved

... /2

FLC

Additional Point on Sewer System

The minimum slope for an eight (8) inch sewer line is 0.40% as stated in the Ten State Standards. On Sheet 3 of 10, the line on the West side of Cheyenne Drive has a slope of 0.30% from the C.O. to the first manhole. What is the expected velocity in this line? If it is greater than 1 fps. this may be acceptable.

Water System

10. Resolved
11. Based on your letter of February 10, 1981 a profile of the water lines will not be required.
12. I basically agree with the water line design calculations presented. What is the static pressure in the various lines? This number is needed to determine operating pressures in the lines.
13. The operating pressures of this system are needed (refer to #12) to determine if the water system piping is adequate.
14. Resolved.
15. Resolved.
16. Resolved.
17. Resolved.
18. Resolved.
19. OK.

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



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 25, 1981

CERTIFIED MAIL

Mr. Ray Sarcletti
Desert Development
620 B Street
Rock Springs, WY 82901

Re: Addition to Desert Village Mobile Home Court, DEQ #81-3R

Dear Mr. Sarcletti:

Enclosed is a review letter being sent to Johnson, Fermelia and Crank in regard to my review of the resubmitted "as built" plans for the above referenced project.

In his reply, Mr. Wayne Johnson stated you will forward the "Application for Permit to Construct" and the two letters of verification that have been requested. As of this date this office has not received them.

The following items do not comply with minimum design standards and must be modified. Items 1 - 13 have been addressed by the engineer and have been repeated here for clarity. Item #14 is an additional requirement, as a result of the revised "as built" plans. A response to these 14 points is requested so we are all in agreement with what has to be done.

Sewer System

1. A manhole is required at the end of the 8-inch line paralleling Cheyenne Drive. A manhole will be installed as per the February 10, 1981 letter from the engineer.
- 2, 3, & 4. Can I assume that one to two feet of fill has been added over the lines and that the resulting cover is approximately five feet?
5. Any trailers located over a manhole or clean out will be moved as per engineer's letter.
6. Concrete collars will be installed around the sewer riser pipes as per engineer's letter.

Mr. Ray Sarcletti
February 25, 1981
Page Two

7. Risers do terminate four (4) inches above natural ground, standing water or surface water runoff, as per engineer's letter.
8. There are no branch lines as per engineer's letter.

Water System

9. Lines paralleling Cheyenne Drive and Comanche Drive are looped as per "as built" drawings.
10. A fire hydrant will be installed on the dead end 8" A.C. water line, as per engineer's letter.
11. Piping in the meter vault as per the "as built" drawings is satisfactory.
12. Water risers do terminate four (4) inches above ground level, as per engineer's letter.
13. Water risers will be protected by a concrete collar, as per engineer's letter.

Additional Requirements

14. Four (4) additional manholes are required. The points in question are shown on Sheet 5 of 10 at North end of the following lines:
 1. line serving West side of Cheyenne Drive, which begins on lot 193.
 2. line serving East side of Cheyenne Drive, which begins on lot 156.
 3. line serving West side of Comanche Drive, which begins on lot 169.
 4. line just to the South of Sioux Avenue, which begins on lot 170.

A response to this letter and the enclosed review letter is due in this office within thirty (30) days of receipt of this letter. Failure to receive a reply within this time frame will result in this office recommending enforcement action.

If you have any questions, please call me.

Yours truly,



Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Enclosures

cc: Cheyenne DEQ/WQD

Wayne Johnson, Johnson, Fermelia & Crank
Glen Sugano, Public Works Director

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Desert Village Mobile Home Court

ENGINEER: Johnson-Fermelia & Crank, Inc.
P.O. Box 1633
Rock Springs, WY 82901

OWNER: Desert Development
620 B Street
Rock Springs, WY 82901
Attention: Ray Sarcletti

WATER QUALITY DIVISION REFERENCE NUMBER: 81-3

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: January 12, 1981

ACTION: Not authorized.

COMMENTS: The following points need to be clarified concerning the "as built" plans for this project.

1. The enclosed "Application for Permit to Construct" needs to be filled out, but do not sign it, and returned with the plans in triplicate.
2. A letter of verification is needed from the City of Rock Springs that they are capable of handling the added organic and/or hydraulic loads that will be imposed upon their sewage system.
3. A letter of verification is needed from Pacific Power and Light stating they can adequately supply 350 gallons per mobile home at the required pressure of 20 psi under all conditions of flow.

Sewer System

4. A plan view is needed showing the new line and its connection to existing lines on a single sheet. The existing presentation is very confusing.
5. On Sheet 2 of 8, the sewer line is shown running into a MH (I.E. 6287.9). On Sheet 3 of 8, this line is shown entering a MH (I.E. 6288.14) which is in a different location. This discrepancy needs to be clarified.

A, B, C

6. A profile of the line connecting the lines on Cheyenne and Hopi Drives is not included. Please show this profile.
7. On Sheet 6 of 8, the profile from MH-A going south does not agree with the plan view. This must be corrected.
8. All water line crossings need to be shown on the sewer profiles.
9. Were these sewer lines deflection tested and leakage tested? If so, please include a copy of the results.

Water System

10. A plan view is needed showing the new water lines and their connections to the existing system on a single sheet. The existing presentation is very confusing.
11. A profile of the water system is required. It should show all sewer line crossings.
12. Design calculations are needed to support the water system design.
13. All pipe, valves, meters, service connection materials need to be specified.
14. On Sheet 2 of 8, a fire hydrant is shown on the 6" A.C. pipe but it is not shown on this line on Sheet 3 of 8. This needs to be clarified.
15. Cross-section views are needed of the meter vault and diversion valves vault details.
16. As I understand it, there are curb stops installed on the service connections. These should be shown on the service connection details.
17. Details are needed of the water risers. Water risers of the single valve, stop and drain type are not acceptable.
18. How were the water lines disinfected?
19. Results of the pressure tests are requested.

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

The following items do not comply with minimum design standards. Once the above points are clarified, the following changes, plus any others that may be found in the revised "as-builts", will have to be done to bring this trailer park into compliance.

Sewer System

1. On Sheet 3 of 8, the cleanout on the East Line is 270 feet away from the nearest manhole. Cleanouts may be installed only if they are within 150 feet of a manhole therefore a manhole is needed at the end of this line.
2. There is insufficient cover over both the east and west sewer lines. A minimum cover of five (5) feet is required.
3. There is insufficient cover between STA 5+26 and STA 0+00.
4. On Sheet 7 of 8, there is insufficient cover between STA 6+26 to STA 7+08 and STA 2+13 to STA 2+67.
5. Manholes and cleanouts shall not be located under a space occupied by a mobile home. It appears that several manholes and cleanouts may be located underneath trailers. This is not acceptable. Either the trailers must be moved or the manholes relocated.
6. The riser pipe shall be protected at the ground surface by a concrete collar which is a minimum of four (4) inches thick and twelve (12) inches in diameter.
7. The riser shall terminate a minimum of four (4) inches above natural ground, standing water or surface water runoff, whichever elevation is higher.
8. The branch line shall be installed at a minimum slope of 1/8 inch per foot.

Water System

9. On Sheet 5 of 8, the water lines paralleling Cheyenne Drive and Comanche Drive need to be looped.
10. The dead-end 8" A.C. water line needs a fire hydrant or an approved flushing device.
11. The piping setup in the meter vault is unacceptable. Gate valves are needed so this meter can be isolated for maintenance. Also bypass piping is needed around the meter.
12. The water risers should terminate four (4) inches above natural ground.
13. The riser pipe shall be protected by a concrete apron or other approved method.

FL/kn

Enclosure



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 12, 1981

CERTIFIED MAIL

Mr. Glen Sugano
Public Works Director
P.O. Box 698
Rock Springs, WY 82901

Re: Addition to Desert Village Mobile
Home Court

Dear Mr. Sugano:

The addition to Desert Village Mobile Home Court was constructed in violation of Chapter III of the Wyoming Water Quality Rules and Regulations (copy enclosed). As stated in Chapter III, a "Permit to Construct" is required prior to beginning construction, installation, or modification of any sewerage system, treatment works, disposal system or other facility capable of causing or contributing to pollution or the construction, installation or modification of any public water supply. This includes any systems within the city limits.

It is the feeling of this office that the city should make sure all applicants have obtained a "Permit to Construct" from this department before they allow construction to proceed within the city limits.

Mr. Sarcletti has informed me that a 14 home subdivision is in the planning stages. Before construction can proceed, he must obtain a "Permit to Construct" from this Department.

Sincerely,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosures

cc: Cheyenne DEQ/WQD
Ray Sarcletti
Johnson-Fermelia & Crank



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 12, 1981

CERTIFIED MAIL

Mr. Ray Sarcletti
Desert Development
620 B Street
Rock Springs, WY 82901

Re: Addition to Desert Village Mobile
Home Court

Dear Mr. Sarcletti:

Please find enclosed a copy of my review letter to Johnson-Fermelia and Crank regarding my review of the "as built" plans. As you can see, I have requested some additional information to complete the review.

You will also notice in the second part of the review letter I listed several areas which do not meet minimum design standards. As stated, once all of the information requested to complete the review of the "as built" situation has been received, it is possible some additional points may be raised.

It is the feeling of this office that the additional information, requested in the review letter, be received in this office within thirty (30) days from your receipt of this letter. Once the "as built" drawings are complete, you will be informed of what must be done to bring the trailer park into compliance. It is the decision of this office that the park should be in complete compliance by June 1, 1981. Personnel from this Department will make an on-site inspection to determine if it is in compliance. If it is, you will be issued a letter stating such. If not, this office will seek the necessary enforcement action to bring it into compliance. Hopefully we will never reach that point.

As a reminder, you will need to obtain a "Permit to Construct" before construction of the 14 home subdivision we discussed during my visit on January 5, 1981. This office is willing to work with you to bring your park into compliance. If you have any questions, call me.

Sincerely,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosure

cc: Cheyenne DEQ/WQD - Ann DeHoff
Johnson-Fermelia & Crank
Glen Sugano



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 12, 1981

CERTIFIED MAIL

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

Re: Addition to Desert Village Mobile
Home Court

Dear Sir:

The addition to Desert Village Mobile Home Court was constructed in violation of Chapter III of the Wyoming Water Quality Rules and Regulations (copy enclosed). As you are aware, a "Permit to Construct" is needed for the construction, installation or modification of any sewerage system, treatment works, disposal system or other facility capable of causing or contributing to pollution or the construction, installation or modification of any public water supply.

The purpose of this letter is not that of an accusation but rather a reminder that a "Permit to Construct" is needed. Although it is the responsibility of the owner of the facility to obtain the necessary permits, the feeling of this office is that as the engineers on a project, it is also your responsibility to inform your client that a "Permit to Construct" is required before construction proceeds.

Sincerely,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosure

cc: Cheyenne DEQ/WQD
Ray Sarcletti
Glen Sugano

2-15-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

City Engineers Office
City of Cheyenne
2101 O'Neil Avenue
Cheyenne, WY 82001

Gentlemen:

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

Facility name:	Consolidated Freightways Facility
DEQ/WQD Reference Number:	<u>81-4</u>
Engineering Consultant:	Harold Hoskins, Hoskins-Western-Sanderegger, Inc.
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	February 6, 1981

Please indicate below the status of your application and return this form to our office:

The application will not be resubmitted as the proposed project has been cancelled.

The application will be resubmitted within 30 days.

The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.

Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



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

cc: Harold Hoskins
Hoskins-Western-Sanderegger, Inc.
P.O. Box 80358
Lincoln, NE 68501

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-5

Casper to Brooks Water Main
(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 potable water distribution main facility according to the procedures and conditions of the application No. 81-5. The facility is located in Sections 11 and 12, T33N, T80W and Sections 7 and 18, 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.

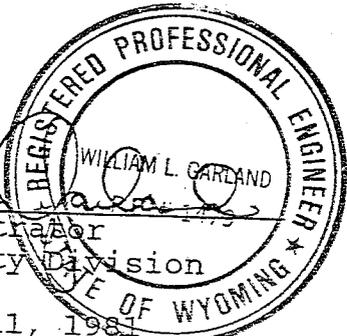
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

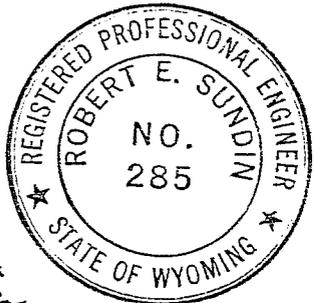
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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
February 11, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: John Donmeyer
HNTB
Box 3478
Casper, WY 82602

Special Conditions

1. Discharge of chlorinated water shall be controlled such that it will have no adverse affect on aquatic life in surface waters of the State of the environment.
2. Lowerin of the North Platte River to facilitate construction of the water main shall have no adverse impact on the Evansville potable water supply.
3. Any groundwater dewatering along the construction route shall not be discharged into the waters of the State without approval of the Water Quality Division of the Department of Environmental Quality.

Leb



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

January 12, 1981

CERTIFIED

Mr. Neil Current
P.O. Box 1363
Mills, WY 82644

Re: Application for a Permit to Construct a Single Family Residence Sewage Disposal System, DEQ/WQD Ref. No. 81-6, dated January 2, 1981

Dear Mr. Current:

The wastewater treatment system proposed to serve your private residence on Lot 14, Webb Creek Ranches, Natrona County, consists of a package treatment plant, Sanilogical System, which would discharge into an unnamed drainage leading to the North Platte River. Your residence lies within the boundaries of the Casper Urban Water Quality Management Plan and is above the confluence of Casper Creek with the North Platte River. The Casper Urban Water Quality Management Plan requires that no additional sewage treatment plants with discharges to the North Platte River be allowed above Casper Creek. This Plan has been adopted by Natrona County and City of Casper, and it has been signed and certified by the Governor. Once the Governor certifies a Section 208 Plan, this Department must comply with the provisions of that Plan.

Therefore, your application for a Permit to Construct is hereby denied in accordance with Section 10, Chapter III, Wyoming Water Quality Rules and Regulations (attached).

Sincerely,


William L. Garland


Robert E. Sundin

cc: John Wagner, DEQ/WQD, Cheyenne
Chuck Davies, City/County Planner, Casper
Charles K. Wolz, 933 West 14 St., Casper, WY 82601

*Department of Environmental Quality**Water Quality Division*

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 13, 1981

Hal R. Robinson, President
North Lincoln County Hospital District
Afton, WY 83110

Re: Hospital Annexation Sewer Interceptor,
DEQ #81-8RR

Dear Mr. Robinson:

After much consideration this department has agreed to accept the "as built" plans of the above referenced sewer interceptor. The line does not meet minimum design standards as defined by the State of Wyoming (i.e., distance between manholes) but is being accepted based upon the availability of clogging equipment which is capable of cleaning and removing plugs in sewer lines up to 880 feet long.

Please be advised that before construction of a waste disposal system can take place, a "Permit to Construct" must first be issued as stated in Chapter III of the Wyoming Water Quality Rules and Regulations. If, in the future, the hospital district should become involved in such a construction project, please obtain a "Permit to Construct" before any construction takes place.

This department considers the matter closed.

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL/kn

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Mayor Rex G. Welty, Jr. - Town of Afton
Ross Turner, P.E.

Norma

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 8, 1981

CERTIFIED MAIL

North Lincoln County Hospital District
P.O. Box 578
Afton, WY 83110

Re: Hospital Annexation Sewer Interceptor
DEQ #81-8RR

Dear Sir:

A response to my March 13, 1981 letter was due in this office on April 6, 1981. As of this date I have not received any reply.

Please be advised that a response must be received by April 20, 1981. Failure to receive a reply by this date will result in the recommendation that a Notice of Violation be issued.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Mayor Rex G. Welty, Jr., Town of Afton
Ross Turner, P.E.



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 13, 1981

CERTIFIED MAIL

North Lincoln County Hospital District
P.O. Box 578
Afton, WY 83110

Re: Hospital Annexation Sewer Interceptor
DEQ Ref. NO. 81-8RR

Dear Sir:

The review of the "as built" plans for the above referenced project has been completed. The interceptor does not meet minimum design standards, as defined by the State of Wyoming.

As previously stated, the maximum allowable spacing of manholes, for lines less than fifteen (15) inches in diameter, is four hundred (400) feet. There are five (5) places on this line where this distance is exceeded. It is the decision of this department that additional manholes be constructed to bring this line into compliance.

Before the additional manholes are constructed, you must obtain a "Permit to Construct" from this office. Therefore, have an engineer submit the necessary plans and specifications, in triplicate, to this office. They will be reviewed, and if found satisfactory a "Permit to Construct" will be issued and construction may begin.

A response to this letter is due within two (2) weeks from the date you receive it. If you have any questions, contact me at this office.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Mayor Rex G. Welty, Jr.
Ross Turner, P.E.

B

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Hospital Annexation Sewer Interceptor

ENGINEER: Ross M. Turner
Town Hall
Afton, WY 83110

OWNER: North Lincoln County Hospital District
P.O. Box 578
Afton, WY 83110

WATER QUALITY DIVISION REFERENCE NUMBER: 81-8R

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 9, 1981

ACTION: ~~XXXXXXXXXXXX~~ "As Built" Not Approved.

COMMENTS: A review of your February 4, 1981 reply to my January 19, 1981 review letter has been completed. The following points remain to be clarified or resolved.

1. Although the construction specifications were acceptable to the Town of Afton, they still must be approved by the Department of Environmental Quality. In this instance, from the information provided, this requirement will be waived.
2. The connection of the new interceptor and the existing town line into the overflow structure and manhole is unacceptable. A manhole should be installed prior to the entrance of the influent lines into the primary cell of the lagoon and should be located as close to the dike as possible. Its invert shall be at least six (6) inches above the maximum operating level of the pond and provide sufficient hydraulic head without surcharging the manhole. The influent lines should not be connected to the overflow structure.

The present connection will result in both influent lines being constantly surcharged. This office is requesting that the influent lines to the lagoon be redesigned in accordance with the above guidelines. One way to do it would be to install a lift station.

... /2

A, B, C

Review of Plans and Specifications
Hospital Annexation Sewer Interceptor - Afton, WY
Date of Review - February 9, 1981
Page Two

3. Manholes spaced greater than 400 feet apart, for sewers 15 inches or less, are not normally approved. In this case, if the Town of Afton will submit a letter to this office stating they have access to equipment capable of cleaning the distances involved, this will be acceptable.
4. Earth load and live load calculations are required for the sewer line. When a PVC line is installed as shallow as this one, loading becomes very critical. Before a total evaluation of the line can be made, these calculations are required.

Please submit the required information to this office within thirty (30) days of your receipt of this review. If you have any questions, please call me at this office.

FL/nb

CC: Cheyenne, DEQ/WQD
Mayor Rex G. Welty, Jr.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 9, 1981

CERTIFIED MAIL

North Lincoln County Hospital District
P.O. Box 578
Afton, WY 83110

RE: Hospital Annexation Sewer Interceptor
DEQ #81-8R

Dear Sir:

This office has reviewed your February 4, 1981 response to my review letter. The information was well presented; however, several points have yet to be resolved. A copy of my second review letter is enclosed for your reference. A written response is required within thirty (30) days of your receipt of this letter.

Two major problems, both covered in the review letter, are the questions of sewer line cover and the inlet connection to the town lagoon. If the plans had been sent to this office for review before construction had taken place, as required by Chapter III of the Wyoming Water Quality Rules and Regulations, these problems would have been resolved. As it stands now, we are requesting load calculations for the PVC line, as installed, a letter from the Town of Afton on sewer maintenance capabilities, and that the inlet to the town lagoons be redesigned.

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

Yours truly,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL:nb

Enclosure

Copy: Cheyenne - DEQ/WQD
Mayor Rex G. Welty, Jr.
Ross Turner, P.E.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Hospital Annexation Sewer Interceptor

ENGINEER: Ross M. Turner
Town Hall
Afton, WY 83110

OWNER: North Lincoln County Hospital District
P.O. Box 578
Afton, WY 83110

WATER QUALITY DIVISION REFERENCE NUMBER: 81-8

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: January 19, 1981

ACTION: ~~Not authorized~~ Not approved - "As Built"

COMMENTS: A review has been made of the "as built" plans and the following items need to be clarified.

1. Was this line inspected as construction proceeded? If so was the installation of the line satisfactory?
2. Please furnish a copy of the construction specifications covering: installation, trenching, bedding and backfilling.
3. What were the results of the deflection tests?
4. What were the results of the leakage tests?
5. A detail is needed of a typical manhole. Are they watertight. This should include details of the flow channel.
6. Details are needed of the highway and runway crossings. The carrier pipe material needs to be specified in detail. A cross-sectional view and a profile view of the P.V.C. pipe inside the carrier pipe is needed to verify that it is properly supported.

A, B, C

January 19, 1981

7. Please explain the rationale used in the design where the new interceptor pipe connects to the lagoon overflow structure and the existing manhole. This is an unusual design and from the information supplied does not appear to be acceptable. This will be determined when we receive the additional information.
8. Details are needed of the flow channel in Manhole Number 5. It should show the invert elevation of both the eight (8) inch and ten (10) inch lines so it can be determined if the energy gradient is maintained.
9. Please submit the required information and additional drawings, in triplicate, to this office within two (2) weeks from the receipt of this review. If you have any questions, please call me.

FL/yh

286

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-9

ROJO CABALLOS MINE TEMPORARY SANITARY WASTEWATER SYSTEM
(Name of Facility)

This permit hereby authorizes the applicant (name and address):
Mr. C. E. Bowman, Project Manager
Brown & Root, Inc.

P.O. Box 3
Houston, Texas 77001

to construct, install, or modify a subsurface disposal

facility according to the procedures and conditions of the application
No. 81-9. The facility is located in Sections 10 and 11,
T.47N., R.71W.

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

The issuance of this permit provides that the Department of Environ-
mental 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 responsi-
bility of the applicant, owner, or operator.

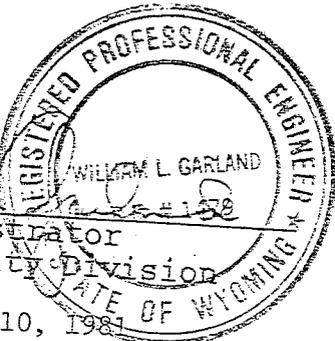
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

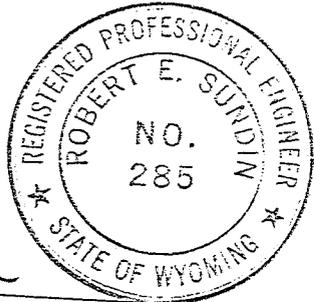
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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
February 10, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-10R

TOWN OF SUNDANCE CANYON WATER SUPPLY
(Name of Facility)

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

Town of Sundance
P.O. Box 542
Sundance, Wyoming 82729

to construct, install, or modify a public water supply

facility according to the procedures and conditions of the application

No. 81-10R. The facility is located in Section 14,
T.51N., R.62W.

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

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

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

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.

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

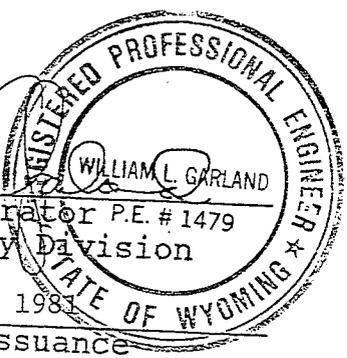
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

William L. Garland

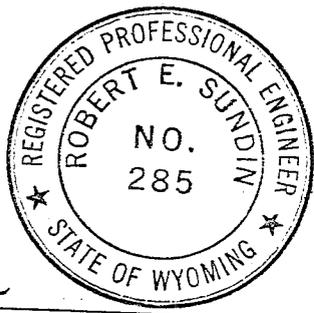
Administrator P.E. # 1479
Water Quality Division
March 11, 1983

Date of Issuance



Robert E. Sundin

Director
Dept. of Environmental Quality



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

cc: Ralph Goodson
Box 130
Sundance, WY 82729

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-11

SEE SPECIAL CONDITIONS

Office-Warehouse, Lot 19, Westgate Park 2
(Name of Facility)

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

Bob Meloy

1832 Jim Briger

Casper, WY 82601

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-11. The facility is located in Section 34, T34N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

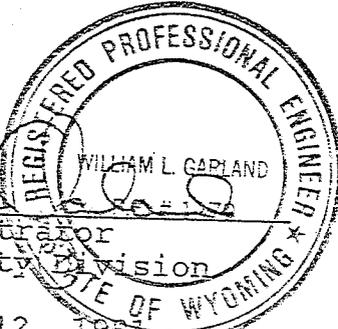
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

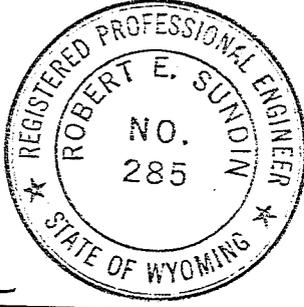
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING
February 12, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

SPECIAL CONDITIONS

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.

cc: Detmer R. Knapp
P.O. Box 2308
Mills, WY 82644

227

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-12R

See Special Conditions

US 20 & Seven - Mile Road Developments
(Name of Facility)

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

Barnard Lowham Management Company

P. O. Box 567

Casper, WY 82602

to construct, install, or modify a public water distribution and wastewater collection/treatment systems facility according to the procedures and conditions of the application No. 81-12R. The facility is located in Sections 28 & 29, 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.

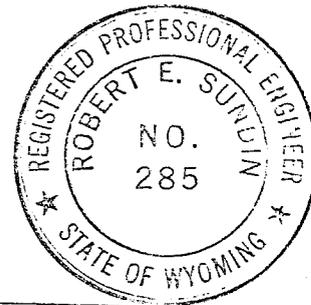
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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
AdministratoORE # 1479
Water Quality Division
March 12, 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.

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

Chuck Davis
Natrona County Planner
200 North David Street
Casper, WY 82601

Larry Robinson, DEQ
Tom Norman, DEQ
Ted Coyer, DEQ

Special Conditions

1. The applicant shall monitor the groundwater quality at the wastewater treatment facility by collecting samples from an existing monitoring well on a semiannual basis, analyze the samples for total dissolved solids, sulfates, chlorides, and nitrate nitrogen, and submit the results to the Water Quality Division, Department of Environmental Quality, 401 West 19th Street, Cheyenne, WY 82002.
2. 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 (Phase II/Final 201 Facility Plan, 1995), 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.

3. The intent to participate in an approved regional system will be formalized by the execution of an agreement between the Barnard Lowharm Management Company, City of Casper, Natrona County Board of County Commissioners, and/or the management agency designated in the final 201 facility plan. The agreement will be developed by the Barnard Lowharm Management Company and submitted to the city and county for signature within 30 days of Final 201 Facility Plan approval date. This agreement will be executed and submitted to the Department of Environmental Quality, Water Quality Division, within 60 days of the Final 201 Facility Plan approval date. It is recognized that this agreement will include a provision for updating and revising the agreement as additional cost estimate and the schedule for various components are developed during the facility planning process.

Lef

Review of Plans and Specifications

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

PROJECT: US20 & Seven-Mile Road Developments

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

WATER QUALITY DIVISION REFERENCE NUMBER: 81-12

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

DATE OF REVIEW: February 16, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

General Comments

1. Plans and specifications must carry the signature or seal of a registered Professional Engineer licensed in Wyoming.

Public Water Supply System

1. Provide water system design pressure for proposed development.
2. Fire hydrant in culdesac shall have a bottom valve in accordance with Section 8.3, Ten State Standards for Public Water Supply Systems.
3. A fire of flushing hydrant is required at the dead end of the 12 inch water line located at stations 17+59 and 35+05. Recommend an air release valve at station 17+95.
4. Method for water/sewer highway crossing with encasement is not clear. Provide a detail drawing.
5. Explain relocation of eight inch PVC water line at wastewater lagoon location. Who, when, how, and where will this work be completed by others? Is it part of this application? If not, a separate Permit to Construct will be required for a water supply system modification.
6. Page 1-9 of specifications indicates an allowable deflection of one inch in twelve for the PVC pipe. Maximum allowable deflection for flexible pipe is 5%. Please correct.

7. Leakage testing and allowable leakage rate on page 1-17 of specifications must be corrected to reflect allowable leakage based upon the following equation:

$$L = \frac{NDVP}{7400}$$

where, L= leakage in gal/hr
N= number of joint in length of pipe tested
D= diameter of pipe, inches
P= test pressure, psig

Wastewater Collection/Lift Station/Treatment System

1. Are the manholes, sewage pumping station, and treatment lagoons within the 100 year flood level of Six Mile Draw Creek? If so, they shall be protected from physical damage by the 100 year flood. Sewage pumping stations shall remain fully operational and accessible during the 25 year flood. Indicate how this compliance will be achieved.
2. If dewatering of the sewer trench is required, how will the groundwater be disposed?
3. Consideration should be given to dividing the wet well into multiple sections, properly interconnected, to facilitate repairs and cleaning. This would allow continuous operation of the collection system when one pump would have to be repaired or replaced. Is an extra pump included in any spare part inventory?
4. What source of emergency standby power will be used for the pumping station/lagoons when the main power supply is out of commission?
5. How will access and ventilation be supplied to the wet and dry wells to facilitate maintenance and inspection works? (Refer to Section 32.7/Ventilation - Ten State Standards).
6. Where will high water alarm signal be transmitted to warn appropriate maintenance personnel of a problem? Lagoon site would appear to be too remote to allow an adequate alerting/response.
7. In order to provide adequate cooling for submersible pumps, the wastewater levels controls in the lift station should be changed to the following: Place the "pump-off" control slightly above the pumps and raise the remaining level controls a portionate amount.
8. What is the wastewater velocity and pressure in the force main?
9. The force main must be properly identified to reflect its use.
10. Provide calculations to show total detention time and volume of lagoon facilities. What test data is available to indicate that percolation basins will function year around? Is there adequate storage volume in the basins to retain wastewater for at least six months if percolation rate is not constant during winter? How will proposed mode of operation for percolation ponds prevent the soil from freezing in winter and sealing off pond bottoms?

11. How will the vent pipe in the pond inlet manhole be kept free from freezing due to high moisture water vapor? How will the future eight inch overflow pipe and pond drain off pipe function? A design for a pond inlet structure, which has worked quite successfully and is relatively maintenance free, is enclosed for your review. It may represent a less maintenance design.
12. Provide additional groundwater quality analyses for manganese, ammonia, phosphate and turbidity.
13. Construction specification on page 2-9. Recommend that a 5 wire barb fence be used to keep any livestock and unauthorized personnel out of the lagoon facilities.

PERMIT TO CONSTRUCT



New

Permit No. 81-13



Renewal



Modified

SOUTH RAWHIDE DRY FORK RESERVOIR

(Name of Facility)

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

The Carter Mining Company, c/o Mr. J. D. Goodrich, Jr.

P.O. Box 3007

Gillette, Wyoming 82716

to construct, install, or modify a runoff and pit water control
pond

facility according to the procedures and conditions of the application

No. 81-13. The facility is located in Section 1,

T.50N., R.72W.

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

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

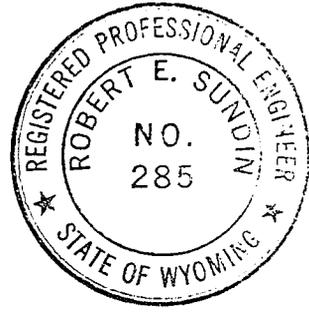
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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

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

AUTHORIZED BY:



William J. Garland
Administrator # 1479
Water Quality Division
February 24, 1981
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

New

Permit No. 81-14

Renewal

Modified

NORTH ANTELOPE WASTEWATER NO. 1 RESERVOIR

(Name of Facility)

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

North Antelope Coal Company

12015 East 46th Avenue, Suite 600

Denver, Colorado 80239

to construct, install, or modify a runoff and pit water control
pond

facility according to the procedures and conditions of the application

No. 81-14. The facility is located in Section 16,

T.41N., R.70W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

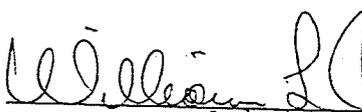
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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

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

AUTHORIZED BY:


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

Administrator
Water Quality Division

March 4, 1981

Date of Issuance


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

Director
Dept. of Environmental Quality

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

xc: Doyl Fritz
Western Water Consultants
P.O. Box 3042
Sheridan, Wyoming 82801

PERMIT TO CONSTRUCT

New

Permit No. 81-15

Renewal

Modified

NORTH ANTELOPE RAILROAD LOOP RESERVOIR

(Name of Facility)

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

North Antelope Coal Company

12015 East 46th Avenue, Suite 600

Denver, Colorado 80239

to construct, install, or modify a runoff control pond

facility according to the procedures and conditions of the application

No. 81-15. The facility is located in Section 16,

T.41N., R.70W.

in the County of Campbell, in the State of Wyoming. This permit

shall be effective for a period of five (5) 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.

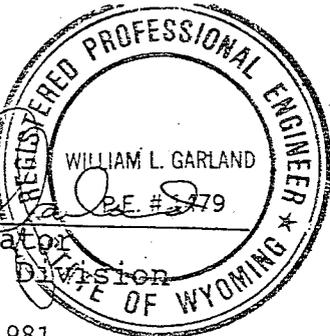
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

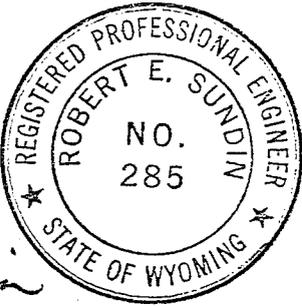
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
WILLIAM L. GARLAND
P.E. # 279
Administrator
Water Quality Division
STATE OF WYOMING


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

March 4, 1981

Date of Issuance

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

xc: Doyl Fritz
Western Water Consultants
P.O. Box 3042
Sheridan, Wyoming 82801

PERMIT TO CONSTRUCT

New

Permit No. 81-16

Renewal

Modified

NORTH ANTELOPE 1A RESERVOIR

(Name of Facility)

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

North Antelope Coal Company

12015 East 46th Avenue, Suite 600

Denver, Colorado 80239

to construct, install, or modify a runoff control pond

facility according to the procedures and conditions of the application

No. 81-16. The facility is located in Section 16,

T.41N., R.70W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

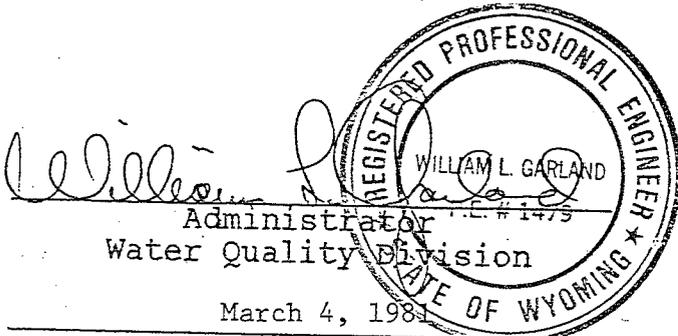
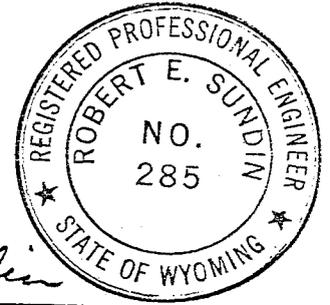
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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
March 4, 1981
Date of Issuance

Robert E. Sundin

Director
Dept. of Environmental Quality

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

xc: Doyl Fritz
Western Water Consultants
P.O. Box 3042
Sheridan, Wyoming 82801

PERMIT TO CONSTRUCT

New

Permit No. 81-17

Renewal

Modified

NORTH ANTELOPE 1B RESERVOIR

(Name of Facility)

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

North Antelope Coal Company

12015 East 46th Avenue, Suite 600

Denver, Colorado 80239

to construct, install, or modify a runoff control pond

facility according to the procedures and conditions of the application

No. 81-17. The facility is located in Section 16,

T.41N., R.70W.

in the County of Campbell, in the State of Wyoming. This permit

shall be effective for a period of five (5) 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.

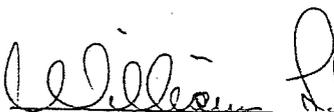
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

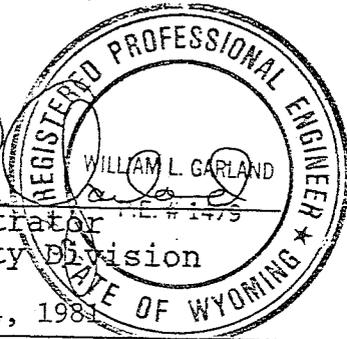
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

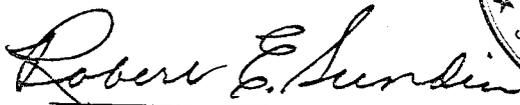
ing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

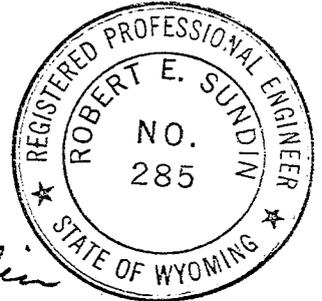
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
March 4, 1984




Director
Dept. of Environmental Quality



Date of Issuance

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

xc: Doyl Fritz
Western Water Consultants
P.O. Box 3042
Sheridan, Wyoming 82801

PERMIT TO CONSTRUCT

New

Permit No. 81-18

Renewal

Modified

Water & Sewer Extension - Fort Caspar Road
(Name of Facility)

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

Casper Board of Public Utilities

200 No. David St.

Casper, WY 82601

to construct, install, or modify a public water distribution and municipal wastewater collection systems facility according to the procedures and conditions of the application No. 81-18. The facility is located in Section 7, T32N, 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.

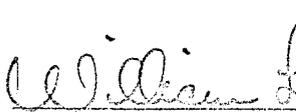
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

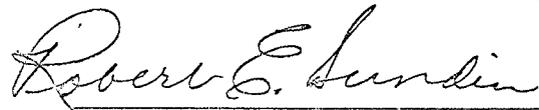
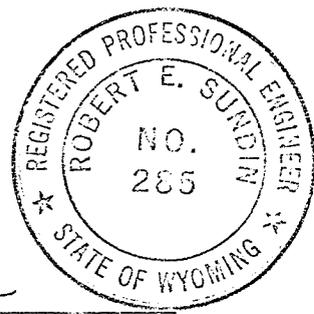
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING


January 26, 1981
Date of Issuance


Director
Dept. of Environmental Quality


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

cc: Bradley E. Baner
Global Engineering
Box 532
Casper, WY 82601

PERMIT TO CONSTRUCT

New

Permit No. 81-19R

Renewal

Modified

BROOK HOLLOW SUBDIVISION PHASE II
(Name of Facility)

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

Brook Hollow Wyoming Partnership

P.O. Box 526

Evanston, Wyoming 82930

to construct, install, or modify a Water Distribution and Sewage
Collection System

facility according to the procedures and conditions of the application

No. 81-19R. The facility is located in _____

Sec. 28, T. 15N, R. 120W.

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

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

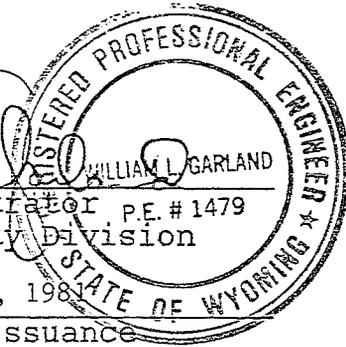
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

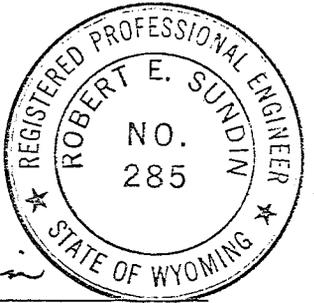
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division
March 16, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

AB/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: Brook Hollow Subdivision Phase II

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

OWNER: Brook Hollow Wyoming Partnership
P.O. Box 526
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-19

REVIEWING ENGINEER: A. Berreth, P.E. *ajb*

DATE OF REVIEW: February 16, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct" can be issued, the following items need clarification:

1. When the City of Evanston previously indicated they could accommodate the subdivision in the provision of water and sewer service, was the entire subdivision accepted or Phase I.
2. At the corner of Fox Point Drive and Church Street, please relocate the valve at 3+50 to the other side of the wye. The City of Evanston has indicated this will aid operation and maintenance. The city also has noted that a city employee needs to be present when a tap is made into an existing line.
3. Is the wye at Fox Point Drive and Church a "true" wye? Please describe thrust blocking as it is not covered in the specifications.
4. Two or three locations appear to require air-vacuum valves or some equivalent.
5. Please note depth of water lines on drawings.
6. At the corner of Church Street and Brook Hollow Drive, is there just a tee or a tee and bend? Sheets 4/5 and 5/5 do not agree.

A, B, C

February 16, 1981

7. It is preferred that the velocity in the sewer mains be kept below 10 fps. Please review the sewerline from manhole #1 to 3 and from manhole #6 to 8.
8. Manhole #8 is not acceptable as drawn. Please review. Is sandstone expected in this area? How can quality construction be obtained on a manhole of this depth?
9. Were the existing manholes left with the bottoms formed and a "stub of pipe" to facilitate expansion? This is not entirely clear on the drawings.
10. What velocities are expected in the line from manhole #8 to 11?
11. A sewer main design sheet such as the one attached should be utilized.
12. As we discussed on the telephone, a master plan and Hardy-Cross analysis would be most useful. It will be required for future phases of the subdivision. The acceptance of the first two phases does not insure acceptance of later phases should the overall analysis prove existing lines inadequate.

AB/kn

cc: Cheyenne DEQ/WQD
Wayne Shepherd - City of Evanston

PERMIT TO CONSTRUCT



New

Permit No. 81-20



Renewal



Modified

ZOWADA MEAT CUTTING SHOP SEPTIC SYSTEM

(Name of Facility)

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

Joe Zowada c/o Pilch Engineering and Surveying

45 East Loucks, Suite 301

Sheridan, Wyoming 82801

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

facility according to the procedures and conditions of the application

No. 81-20. The facility is located in Section 2,

T.55N., R.85W.

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

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

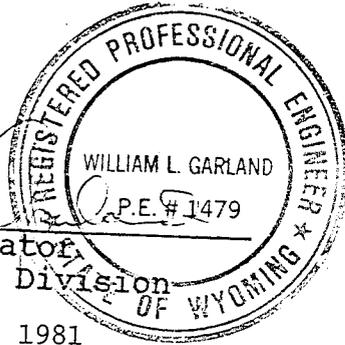
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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.

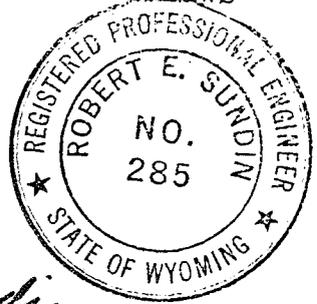
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division

February 27, 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.

PERMIT TO CONSTRUCT

New

Permit No. 81-21R

Renewal

Modified

Dave Roderick Apartments

(Name of Facility)

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

Dave Roderick

P.O. Box 654

Green River, WY 82935

to construct, install, or modify a sewer system to serve 10 duplex units and connected to the Green River system

facility according to the procedures and conditions of the application

No. 81-21R. The facility is located in Sec. 15, T. 18N,

R. 107W

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.

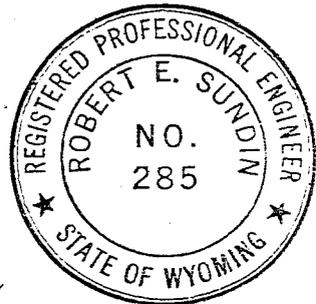
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

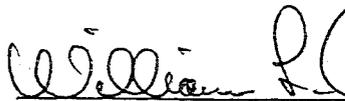
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

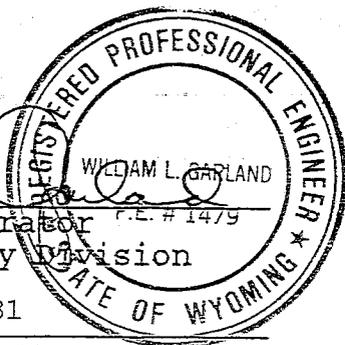
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

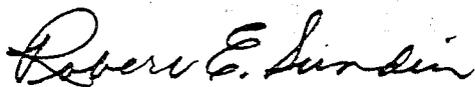
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:




WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
February 16, 1981
Date of Issuance




Director
Dept. of Environmental Quality

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

AB/kn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Dave Roderick Apartments

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

OWNER: ATTN: Robert E. Johnson
Dave Roderick
P.O. Box 654
Green River, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 81-21

REVIEWING ENGINEER: A. Berreth, P.E. *ajb*

DATE OF REVIEW: January 23, 1981

ACTION: Not authorized.

COMMENTS:

Before a "Permit to Construct" can be issued, the following items need clarification:

- 1) Normally, a six inch sewer main is not acceptable. Extensive documentation would be required for approval.
- 2) Information is needed on the anticipated volume of wastewater, average and peak flow rates.
3. A letter is needed from the City of Green River stating that they will accept and can treat the expected wastewater flows.
- 4) Please include the distance between manholes.
- 5) A detail describing water and sewer main crossings is needed on the plan and profile sheet.
- 6) A description of where and how the system is to tie into the existing systems is needed.
- 7) Are the lamp holes to be constructed in the same manner as manholes?

A, B, C

- 8) Please show existing water mains.
- 9) Will tee or wye fittings be installed for sewer service?
- 10) The ASTM designation for clay pipe is C-700. Please use the latest revision of the standards.
- 11) Please consider the use of a small drop through the manhole when there is a change in direction.

AB/nb

cc: Rick Lemke - City Engineer, Green River

81-22RR HJett B



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 2, 1981

The Honorable Jim Bare
Town of Hulett
P. O. Box 1008
Powell, WY 82435

Re: Town of Hulett, Wyoming
E560117-94, Addendum No. 1

Dear Mayor Bare:

We have completed our review of Addendum No. 1. This document is approved under the authority granted to the Department of Environmental Quality by the U.S. Environmental Protection Agency.

A copy is returned herewith with our approval. Please incorporate the changes in the appropriate set of plans, specifications or contract documents.

The approval of contract modifications by the Department of Environmental Quality should not be interpreted as approval for additional federal grant funds.

Sincerely,

Michael Hackett
Engineering Evaluator
Water Quality Division

MH/jn

Enclosure

- cc: Bob Faust, COE, Denver
- EPA (w/ enclosure)
- Bearlodge Engineering, Ralph Goodson
- Tom Mueller, Sheridan, DEQ
- ✓ Grant File

Aug. 20, 1981

to
Request for Bids for various UNITS of Mechanical Equipment, by the
Town of Hulett, Wyoming.

The following change has been made to the Request:

All Bid Bonds Will Be held pending EPA Review of Bid Results.

The following items have been approved for bidding for the above referenced job:
UNIT 1 Regal Model 415 Gas Chlorinator with automatic Switchover.

UNIT 3 Burks self-priming turbine pump 1/3 HP 1750 RPM

UNIT 4 1) Survivair 30 minute Unit with carrying case.
2)
a) Taylor #1292-DPT
b) Hach CN-66

Approved Wyoming DEQ - wad Construction Grants 9/29/81 M-77

M. S. H.

ADDENDUM NO. 1

8/17/81

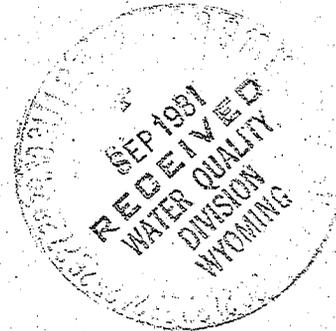
to

Specifications and Contract Documents for the Town of Hulett, Wyoming, Sewage Collector Line.

The following changes are made to the Specifications/Contract Documents.

- 1) All bid Bonds will be held pending EPA Bid Review.
- 2) In (A) Nondiscrimination in Employment, (Instructions to Bidders) the prevailing wage rates as inserted between pages 38 and 39 have been updated. The attached rates are to be used for this project.
- 3) In Section 401, Page 10 of 10, this page is replaced with the enclosed sheet page 10 fo 10A

Approved Wyoming DEQ - WQD Construction Grants 8/24/81 MSH



ADDENDUM NO. 1
to

8/20/81

Specifications and Contract Documents for the Town of Hulett, Wyoming,
Sewer Treatment Plant Improvements.

The following changes are made to the Specifications/Contract Documents.

- 1) All bid bonds will be held pending EPA Bid Review.
- 2) In (A) Nondiscrimination in Employment, (Instructions to Bidders) the prevailing wage rates as inserted between pages 38 and 39, have been updated. The attached rates are to be used for this project.

Approved Wyoming SEQ - WAD Construction Grants 8/24/81 WTPA



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

February 25, 1981

Mr. Ralph Goodson
Bearlodge Engineering
P.O. Box 130
Sundance, WY 82729

Dear Mr. Goodson:

A review was made of the plans and specifications for the Grant Project C560117 for Hulett, Wyoming.

Before approval is given the following information is needed for review:

1. Specifications
 - a. Notice to labor unions
 - b. Elimination of segregated facilities
 - c. Affirmative action provisions
 - d. Wage determination - U.S. Department of Labor
 - e. Labor standards and requirements
 - f. Labor standards contract provisions
 - g. Time of completion - number of days
 - h. Workman's compensation
 - i. Experience clause acceptable
 - j. Project sign
 - k. Bypassing during construction
 - l. Any contract preference clauses
 - m. Untried process bond clause
 - n. Award to low acceptable bidder
2. Detailed drawings and information shall be provided on the pumping station and chlorination unit. Corps of Engineers needs complete plans and specifications for review.

Mr. Ralph Goodson
Page Two
February 25, 1981

3. Water and sewer crossings - An addendum shall be submitted indicating compliance with Ten State Standards (copy of specific requirements provided to you in the past).

We will be awaiting receiving the above information.

Yours truly,

Frank R. Harman
Frank R. Harman, P.E.
Environmental Engineer

FRH/sk

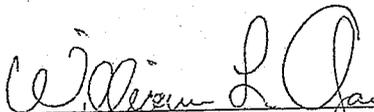
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

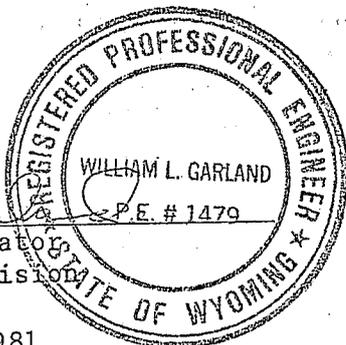
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

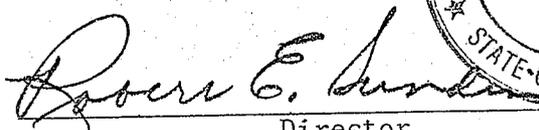
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

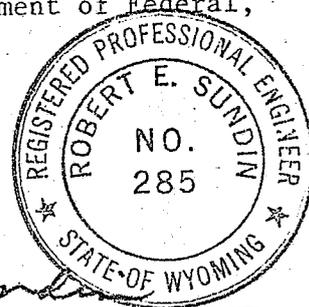


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



July 10, 1981
Date of Issuance

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

LSJ

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-23R

Hobbs Elementary School Addition
(Name of Facility)

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

Banner Associates, Inc.

500 East 18th Street

Cheyenne, WY 82001

to construct, install, or modify a sanitary sewer and potable water main facility according to the procedures and conditions of the application No. 81-23R. The facility is located in Section 19, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

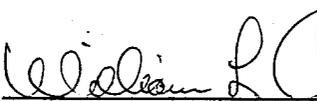
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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

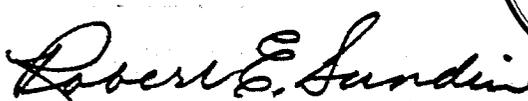
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


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

Administrator
Water Quality Division

March 4, 1981
Date of Issuance


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

Director
Dept. of Environmental Quality

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

cc:

M
2-5-81

Review of Plans and Specifications

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

PROJECT: Hobbs Elementary School Addition, Laramie Co.

ARCHITECT OR ENGINEER: Banner Associates, P.O. Box 550
Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 81-23

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

DATE OF REVIEW: February 4, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans must be sealed or signed by an engineer registered in Wyoming.
2. A manhole must be provided at the point where the new sewer pipe intersects the existing sewer and at the bends at the N.E. corner of the school. The cleanout at the west end of the sewer is acceptable provided the sewer is not longer than 150 feet.
3. The sewer should be at least 8-inch diameter pipe but 6-inch pipe may be approved if hydraulics permit.
4. A profile of the sewer should be shown.
5. Sewer pipe specifications must be provided.

cc: Banner Associates, Inc.
500 East 18th Street
Cheyenne, WY 82001

L.E.B

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-24R

SEE SPECIAL CONDITION

Unit Rig and Equipment Company
(Name of Facility)

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

Unit Rig and Equipment Company

c/o Kendavis Industries

P.O. Box 2847

Tulsa, OK 74101

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-24R. The facility is located in Section 32, T34N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

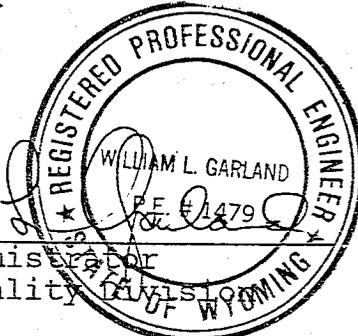
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

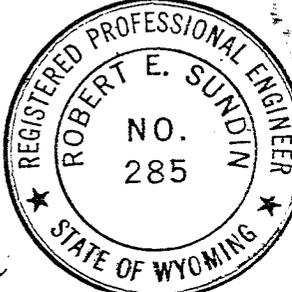
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Dept. of Environmental Quality

February 20, 1981
Date of Issuance

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

SPECIAL CONDITIONS

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.

cc: Gray C. Wangelin
Engineering Inspection Testing Service
P.O. Box 4075
Casper, WY 82604

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Review of Plans and Specifications

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

PROJECT: Unit Rig and Equipment Company

ARCHITECT OR ENGINEER: Gary C. Wangelin, P.E., Engineering Inspection
Testing Service
P. O. Box 4075, Casper, Wyoming 82604

WATER QUALITY DIVISION REFERENCE NUMBER: 81-24

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



DATE OF REVIEW: February 10, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The application for construction permit must show the original signature of the applicant. A photocopy of it is not acceptable. New application forms are enclosed for your use.

68/10

PERMIT TO CONSTRUCT

Permit No. 81-25R

- New
- Renewal
- Modified

Eastridge Mall
(Name of Facility)

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

Neosha Construction Company, Inc.

P. O. Drawer 2260

Mills, WY 82644

to construct, install, or modify a stormwater holding pond and stormsewers for mall site facility according to the procedures and conditions of the application No. 81-25R. The facility is located in Section 12, T13N, R79W in the County of Natrona County, 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.

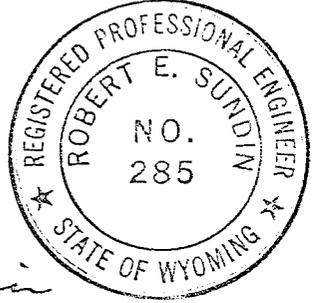
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

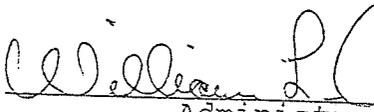
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

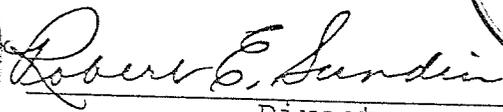
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:




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


Director
Dept. of Environmental Quality

March 20, 1981
Date of Issuance

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

cc: Robert D. Friesen
Law Kingdom P.A.
313 S. Market
Wichita, KS 67201

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Review of Plans and Specifications

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

PROJECT: Eastridge Mall

ARCHITECT OR ENGINEER: Robert D. Friesen, Law Kingdom P.A.
313 S. Market, Wichita, Kansas 67201

WATER QUALITY DIVISION REFERENCE NUMBER: 81-25

REVIEWING ENGINEER: T. S. Norman, E.I.T. *T.S. Norman*

DATE OF REVIEW: February 9, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Insufficient information has been submitted to review the proposed project. Please include (as a minimum) the following information:

1. Size of holding pond, design basis, soil characteristics, cross section of berms, outfall structure, inlet structures, maximum operating depth.
2. Runoff calculations, area of contribution, surface cover, design precipitation event.
3. Design of storm sewers (i.e. size, slopes).
4. Set of specifications with construction details.

PERMIT TO CONSTRUCT

New

Permit No. 81-26R

Renewal

Modified

Elm Park
(Name of Facility)

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

Vaughn Kestner

Route 1, Box 8A

Basin, WY 82410

to construct, install, or modify a _____

wastewater collection system

facility according to the procedures and conditions of the application

No. 81-26R. The facility is located in _____

Sec. 21, T.51N, R.93W

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

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

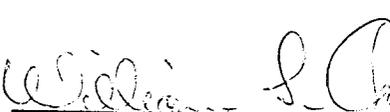
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

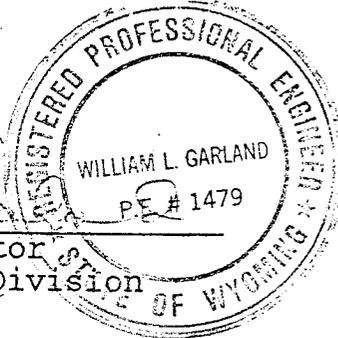
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

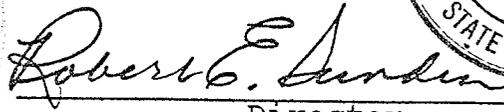
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

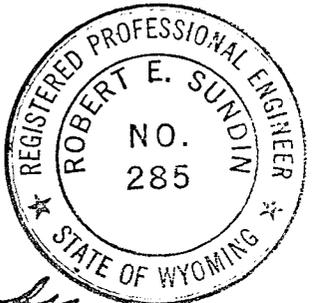


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



February 25, 1981
Date of Issuance

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

JCH/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: Elm Park

ENGINEER: Gene Roccabruna
P.O. Box 45
Basin, WY 82410

OWNER: Vaughn Kestner
Route 1, Box 8A
Basin, WY 82410

WATER QUALITY DIVISION REFERENCE NUMBER: 81-26

REVIEWING ENGINEER: Jeff C. Hermansky



DATE OF REVIEW: February 12, 1981

ACTION: Not authorized.

COMMENTS: The following comments will need to be addressed before a "Permit to Construct" can be issued for this project.

1. The three separate sewer services from the existing 6" sewer main, running toward 4th Street, can be combined into one line. The line should be 6" from the main to the wye for the first trailer service riser. The slope for this 6" pipe should be 1/8"/foot. The remainder of the line can be 4" pipe at a slope of 1/4"/foot. Cleanouts should be installed after the first trailer and at the end of the line.
2. All cleanouts must terminate at least 4" above the ground surface.
3. The service riser pipes and the cleanout risers must be protected by a concrete block cast around the pipe. The block should be at least 4" thick and 12" square.
4. A wye fitting rather than a tee should be used where the service riser meets the horizontal sewer line.
5. The connection of the sewer service line to the existing 6" main must be made with a saddle. The saddle is made specifically for connection of PVC to clay pipe and provides for a simple watertight connection.

A, B, C

6. Testing information is incomplete for sewer line. What is the test pressure (head) and test duration.
7. How will the trenches for the sewer line be backfilled and compacted? What about bedding material if poor soil is encountered?

If you have any questions or need assistance, please contact either Robin Collins or myself.

JCH/kn



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 24, 1982

Bruce L. Nurse, President
Village Sewer Company
P. O. Box 586
Teton Village, WY 83025

Dear Mr. Nurse:

In reviewing the information supplied to this office concerning the Teton Village wastewater treatment and disposal facility (WQD Permit No. 81-27RRRR), I have noted an absence of certain required information. I have discussed the "missing" information with personnel in the Lander office; this information has not been supplied to WQD either in Lander or Cheyenne. The required but not yet submitted information is listed below:

1. Legal description of the location each of wells OH-18, OH-19, OH-20, RC-01, RC-02 and RC-03. If the final locations or names/numbers of the drilled wells are different from original proposal(s), an updated map should be submitted.
2. Background water quality information including static water levels and dates measured or sampled for all wells listed in 1.
3. Construction details of the drilled and completed wells listed in 1. Details should include total depth, casing size and material, cementing and completion program including completion interval, screen (diameter, length, opening type and size), perforations, open hole, etc. Drawings will be helpful. Were injectivity tests performed? Provide details.
4. Final plan of operation: how effluent will get to recharge well(s), operational procedure, how wells will be utilized, injection rate for each well or multiple well-use, method to control injection.
5. Plans for periodic analysis of effluent just before being injected.
6. Name, chemical description, amount and rate of any additive or chemical which might be introduced into any or all recharge wells as corrosion inhibitor, biocide, etc.; and description of how and when the chemical(s) will be introduced.

Bruce L. Nurse, President
May 24, 1982
Page 2

7. Contingency plan(s) to be put into effect if one or more recharge wells become inoperative or effluent cannot be injected for any reason.
8. It is required, for a pressure-operated injection well, that injection pressure be monitored on a continuous basis. This is in reference to information in a letter from Grimes to Mancini, dated March 6, 1981. Continuous monitoring can be accomplished by utilizing computer storage and retrieval wherein data is entered automatically, or by means of gauges connected to recording charts. How will this be accomplished by Teton Village Sewer Co.?
9. Plans for record keeping and reporting; relative to operation of the recharge wells and monitor wells.
10. Two copies of any operational procedure manual, guideline, etc. which has been developed for plant/well operators. What is the status of operator training?
11. All injection wells are required to have mechanical integrity. If your injection wells have already been tested (and casing has been cemented) provide documentation to show mechanical integrity of each well. Otherwise, describe how mechanical integrity can or will be demonstrated.
12. Plans for the future closure (abandonment) of the injection wells. How will the wells be plugged to assure groundwater protection?
13. A listing of existing water-use wells with relevant information (name and address of user, water use, well depth, type of well construction, legal description of well at a minimum), within a radius of one mile of the injection wells; and a map of suitable scale showing these wells. Wells on the map should be identified and "tied" to the listing.
14. Through past correspondence and verbal communication with Mr. Frank J. Grimes of Nelson Engineering, the WQD has been informed that a "tremendous amount of data" has been accumulated, and evaluations of geologic/hydrologic data have been made. Submit detailed information on the geology/hydrology of the receiver, including information to support the hypothesis that groundwater in the upper part of the aquifer, is adequately separated from groundwater in the underlying parts of the aquifer which supply water to domestic wells.
15. Complete and return a financial responsibility statement; forms are included with this letter.
16. The permit which has been issued to the Village Sewer Company covers the construction of three recharge wells, but does not authorize the subsurface injection of fluid by means of these wells or any other facility. When the subsurface injection is authorized by the WQD, you will receive a Groundwater Pollution Control (GPC) Permit. The "understandings" which are now part of the permit to construct -- those "understandings" which apply to subsurface injection -- will be transferred from the permit to construct, to the groundwater pollution control permit.

Bruce L. Nurse, President
May 24, 1982
Page 3

Before a GPC permit will be issued, application for the permit must be made by Teton Village. The application, in triplicate, should be signed by an executive officer of at least the level of Vice-President.

Sincerely,



A. J. Mancini
Groundwater Control Supervisor

AJM/pjb
Enclosures

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

Normal's copy



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 2, 1982

CERTIFIED

Mr. Bruce L. Nurse, President
Village Sewer Company
P.O. Box 586
Teton Village, WY 83025

RE: Permit 81-27RRRR

Dear Mr. Nurse:

You and Mr. Frank J. Grimes of Nelson Engineering have each written a letter to me concerning the referenced permit and the Teton Village Wastewater Treatment Plant. The two letters do not seem to track one another explicitly, but both appear to offer opinions on what information has been submitted to the Water Quality Division as required by the subject permit. I have discussed both letters with members of the division staff. The staff's concern is the apparent noncompliance with certain permit "understandings", so I will make this concern the focus of my letter.

One of the two letters I received stated that specific information has not been requested from the owner. I am, therefore, now requesting by the contents of this letter specific information pursuant to permit "understandings" from the owner. The owner of record is identified as Village Sewer Company, and the president of the company is identified as Mr. Bruce L. Nurse.

I request that the owner provide construction, completion and logging data of all subsurface discharge, monitor or operational wells constructed for use by or in conjunction with the permitted facility (permit understanding number 8).

Construction and completion data consist of information similar to the type of information the owner has submitted to the Wyoming State Engineer's Office in the past on form U.W.6. Specifically, the information I request consists of, for each well and at a minimum:

- Owner's name and address.
- Well name and number and location ---- quarter/quarter section, township, range and county; or lot and subdivision, section, township, range and county.

Mr. Bruce L. Nurse, President

November 2, 1982.

Page 2

- Date well construction started and date it was completed.
- Type of well construction and well use; date of first use.
- Description of method of well development used.
- Total depth of well, hole diameter, ground elevation of finished well.
- Depth to pre-use static water level below a datum and date measured; distance from datum to ground level if these are not the same.
- Casing description: material, type, new or used casing, diameter, thickness, interval, setting depth, cementing record ---- for each different casing.
- Type of well completion: open hole, perforations, screen, gravel pack, and/or other; details of gravel pack and "other".
- Details of perforations: method, number, pattern, size of perforations and other relevant information.
- Details of screen: material, type and nomenclature, diameter, length, opening size and total effective area; critical velocity and other relevant information for recharge well. Method of installing screen in recharge well.
- Packer nomenclature and description as applicable.
- As applicable, pump information, flow information, subsurface discharge information.
- Name and address of driller.
- Ownership of land on which well is constructed.
- Log of well.

Logging data as defined in Water Quality Rules and Regulations, Chapter IX, means the written record progressively describing the strata and geologic and hydrologic character thereof to include electrical, radioactivity and similar surveys, a lithologic description of all cores, and test data. If the well log is included as construction/completion information, it does not have to be repeated as part of logging data. Logging data include test data, not just interpretive results. Test data include (but are not limited to) information obtained from pump and aquifer testing.

The owner is not required to submit construction/completion information for OH-13, -14, -15 and -11A and laboratory (analytical quality) data already submitted by the owner.

The owner must submit construction/completion and logging data for monitor wells OH-18, OH-19 and OH-20, and recharge wells 1, 2 and 3. (Note: Information on these wells is not available at the State Engineer's Office.)

Mr. Bruce L. Nurse, President
November 2, 1982.
Page 3

As built plans submitted by the owner to Lander and forwarded to Cheyenne show a conceptual diagram of what presumably is a "typical" recharge well but details of completed recharge wells are not shown. Completion data normally indicate actual finished dimensions: lengths, depths, diameters, thicknesses, in-place cement, etc. These are not shown on the "as built". (Note: A total depth of "42±" for each recharge well indicated in a table is not a finished dimension.)

The staff has informed me that the owner is in noncompliance with other understandings of the permit. For example, I have been informed that even though plant operators were to be trained in the operation of the recharge system within one year of the date of issuance of the permit, training has not begun even at this date, 20 months after the effective permit date. I would like to know the present situation relative to operator training, and I request that the owner inform me as to whether or not any operator has received the specified training and, if so, what the training consisted of; and what the owner plans to do about operator training if operators have not yet received training.

I understand that there are problems with monitoring, analysis and reporting. Evidently the owner has installed three additional monitor wells but for some reason has not collected samples from these wells unless required to "split samples". To add to the perplexity, these wells have been omitted from the "as built" submitted by the owner. The owner was required to install these wells as part of a program to monitor the subsurface discharge. Monitoring by and of these and other wells shall be accomplished by the owner in a manner which will satisfy state requirements, based on the provisions of Water Quality Rules and Regulations, Chapter IX, Section 10, and the definition of "Monitor".

A related concern of the staff is the perceived necessity to establish control limits based only on one background water quality sample each from monitor wells OH-18, OH-19, and OH-20. For your information, limits will be established. In the interim, the owner should remember that the groundwater is protected as being suitable for Class I (domestic) use.

It seems obvious that a schedule for monitoring and reporting needs to be established and adhered to. I have instructed the staff to develop a schedule for permit understanding number 1. The schedule will be based on the memorandum referenced in the understanding, and requirements of Chapters VIII and IX per permit understanding number 8. In the meantime, the owner is required to continue to submit to the division office in Cheyenne, results of well water and effluent analyses, as soon as results are available for submittal. I assume that the owner will monitor wells OH-18, OH-19, and OH-20 as routinely as others.

The owner has not been submitting water level information. (I refer you to the definition of "Monitor" in Chapter IX.) I request the owner to submit records of past water level measurements made since the effective date of the permit, for all wells installed for use by or in conjunction with the permitted facility.

This office wants to feel reasonably confident that the procedures used for sample collection assure that the sample is representative of the water body being sampled, and will maintain the integrity of the sample from the time of sampling to the time of analysis. There are a number of techniques that should be adhered to

Mr. Bruce L. Nurse, President
November 2, 1982
Page 4

during and after sample withdrawl. Mr. Michael (Mic) Brenoel of the division's Cheyenne office will offer to provide instructions in these techniques the next time he is in the vicinity.

I have requested specific information from the owner in this letter. Briefly stated, I have requested:

1. Construction, completion and logging data for wells OH-18, OH-19 and OH-20 and recharge wells 1, 2, and 3.
2. Information concerning operator training.
3. Water level measurements.

The specific information I have requested is stated in detail in the body of this letter. Provide this information to the undersigned at 1111 East Lincolnway, Cheyenne, Wyoming 82002, not later than 45 days after receipt of this letter. If the owner plans to have an agent or agents supply all or part of the required information, provide prior written designation of the agent or agents.

Sincerely,



William L. Garland
Administrator

WLG/AJM/nc

Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

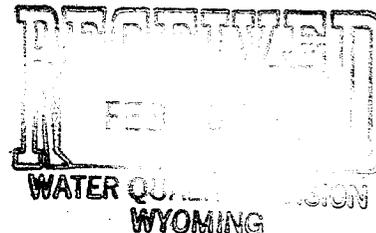
LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 1, 1983

CERTIFIED MAIL #323 730 778

Mr. Bruce L. Nurse, President
Village Sewer Co.
P. O. Box 586
Teton Village, Wyoming 83025



RE: Permit No. 81-27RRRR

Dear Mr. Nurse:

In reference to Mr. Garland's letter of January 10, 1982, it is necessary to re-iterate that the Village Sewer Company is in violation of its "Permit to Construct", condition No. 10. That condition is addressed as Item No. 7 in Mr. Garland's letter to you and outlines deficiencies in the monitoring and recharge well as-builts. For my part, I will address those items which do not pertain to the recharge wells or monitoring system.

As a whole, the as-builts appear to reflect the actual dimensions and locations of the constructed facilities. However, a couple of items require clarification or additional information:

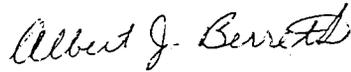
1. The specifications allow the use of several different materials. Therefore, the as-built drawings need to reflect what material was used and any special installation procedures. Example--PVC sewer pipe ASTM 3034 SDR 35 with Type II bedding.
2. The equipment specifications allowed the installation of any one of several manufactured units which would meet specific requirements. An example would be a pump which could provide 300 gpm at 25 feet of operating head. However, two pumps which would satisfy the stated requirement may have different characteristics at lower heads; that is, one pump may provide 295 gpm at 20 feet of head and another 250 gpm. For this reason, the characteristic curves of the individual pumps, blowers, etc. which were installed need to be provided along with make and manufacturer.

Mr. Bruce L. Nurse, President
February 1, 1983
Page Two

3. My recollection of your plans for the old percolation bed is poor. Please clarify your plans for me and identify any planned or existing use.

It seems reasonable to expect these items, as outlined here in my letter and by Mr. Garland, by March 4, 1983. Should you have difficulty with this schedule, please contact me as soon as possible.

Respectfully,



Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD
File (2)



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 6, 1981

Mr. Bruce Nurse, President
Village Sewer Company
P.O. Box 586
Teton Village, WY 83025

RE: Groundwater Monitoring Wells at Teton
Village Wastewater Treatment Plant
DEQ Permit #81-27RRRR

Dear Mr. Nurse:

Please consider this letter official acceptance by this Department of the location of the three monitoring wells, as shown on map number 239-81A. This acceptance is based upon your November 2, 1981 letter agreeing to install a fourth monitoring well, if it should become necessary to do so at a later date as determined by this Department.

We acknowledge the fact that if a fourth well should be required, its location will be subject to the approval of Snake River Associates, the landowner.

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Copy: Tony Mancini, Groundwater Control Supervisor, Cheyenne DEQ/WQD
Frank Grimes, Nelson Engineering
✓ Cheyenne DEQ/WQD, Norma Coulson
File (2)

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-27RRRR

TETON VILLAGE WASTEWATER TREATMENT AND DISPOSAL FACILITY
(Name of Facility)

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

Village Sewer Company
Box 290
Teton Village, Wyoming 83025

to construct, install, or modify a 0.5 MGD Modified Extended
Aeration Facility. Existing facility to be converted to an aerobic sludge digester.

facility according to the procedures and conditions of the application
No. 81-27RRRR. The facility is located in Sec. 24, T. 42N,
R. 117W.

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

The issuance of this permit provides that the Department of Environ-
mental 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 responsi-
bility of the applicant, owner, or operator.

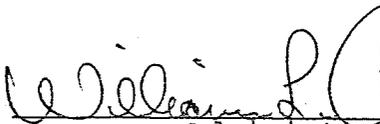
The authority to construct granted by this permit does not mean or
imply that the Wyoming Department of Environmental Quality guarantees
or insures that the permitted facility, when constructed, will meet
applicable discharge permit conditions or other effluent or oper-
ational requirements.

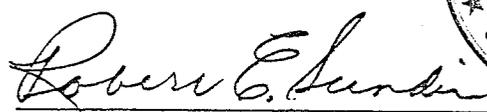
The permittee shall allow authorized representatives from the Depart-
ment of Environmental Quality, Water Quality Division, upon the pre-
sentation of credentials and during working hours, to have access to
inspect the facilities, at the above location, for the purpose of
compliance with the provisions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

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

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

AUTHORIZED BY:


WILLIAM L. GARLAND
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
No. 179
Administrator
Water Quality Division


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

March 16, 1981
Date of Issuance

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

FL/nb

TETON VILLAGE WASTEWATER TREATMENT AND DISPOSAL FACILITY
Permit No. 81-27RRRR
March 16, 1981

This permit is issued with the following understandings:

- 1) Monitoring, analysis and reporting is to be done pursuant to the March 6, 1981 memorandum and amendment from A. J. Mancini. A copy has been furnished to Nelson Engineering.
- 2) All recharge wells are to be developed at a yield rate of at least 750 GPM based on an influent design peak hourly rate of 0.83 MGD or 575 GPM.
- 3) The applicant shall provide background water quality for each recharge well after it is constructed but before it is put into use.
- 4) Plant operators are to be trained in the operation of recharge wells. Training is to be completed within one (1) year of the date of issuance of this permit.
- 5) Additional monitoring wells not to exceed three (3) in number, as proposed by the applicant and approved by DEQ or as required by DEQ, are to be installed before recharging commences.
- 6) The applicant is to provide background water quality from all additional monitoring wells after they are constructed but before the recharge wells are put into use.
- 7) Control limits will be established for each monitor well after representative water quality data has been received by the Water Quality Division. If the limits are exceeded such that an unwarranted threat to groundwater is perceived, the applicant/operator will be required to take remedial action.
- 8) The applicant must conform to the regulations of Chapters VIII and IX, including Section 12 in Chapter IX.
- 9) A draft of the O & M Manual is to be presented by 50% completion of the project, and the finalized O & M Manual by 90% completion of the project to the Lander office, in triplicate.
- 10) "As Built" plans are to be submitted to the Lander office, in duplicate, within one month after construction is completed. This is defined as the time the plant is put into operation.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Teton Village Wastewater Treatment and Disposal Facility

ENGINEER: Nelson Engineering
Box 1599
Jackson, WY 83001
Attention: Frank Grimes

OWNER: Village Sewer Company
Box 290
Teton Village, WY 83025
Attention: Bruce L. Nurse, President

WATER QUALITY DIVISION REFERENCE NUMBER: 81-27

REVIEWING EVALUATOR: Francis LaBarge *FL*

DATE OF REVIEW: See attached chronology.

ACTION: Not authorized.

COMMENTS: The following points must be clarified before a "Permit to Construct" can be issued:

1. Three copies of the design calculations are required. They must be complete.
2. All information that is to be a part of the formal application must be clearly stated as such. Several conversations have referenced documents as far back as October, 1978, yet they have not been included in the application. This office must have a complete application, in triplicate.
3. An O&M Manuel is required by the time plant construction is 50% complete. This has not been addressed.
4. The question of the plant overflow line must be addressed. Will the overflow pond be lined? How will the sewage be returned to the plant?
5. Verification is needed on the accuracy of the flume at low flows.
6. Disposal of sludge, grit, screenings and grease has to be addressed. A check should be made with Solid Waste Disposal for proper disposal.
7. Is the grit room properly vented?
8. As agreed, a copy of the performance bonds for the AWT units is to be provided.

9. A vinyl floor is needed in the lab.
10. The Mettler balance should be placed on a marble table.
11. Where is the distilled water to come from?
12. Is this plant in a flood plain?
13. The enclosed NPDES Application to Discharge from a Construction Project must be filed. Please furnish this office with a copy.
14. As I understand it, the return sludge line has been revised. Complete details are needed.
15. Installation of mechanical equipment should be supervised by a representative of the manufacturer. Will this be done?
16. Verification is needed that the personnel will be trained in the operation of the discharge wells.
17. A check should be made with Tony Mancini concerning additional monitoring wells that may be required.
18. A narrative is needed on the theory and operation of the discharge wells.
19. A background sample is required from each recharge well before it is put into use.
20. What is the anticipated quality of the effluent from this plant?
21. Can these recharge wells accept a flow of 576 gpm?

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

FL/kn

cc: William Garland, Water Quality Administrator
Jake Strohman, Control Engineering Supervisor

Chronology of Teton Village Wastewater
Treatment and Disposal Facility Review

January 27, 1981 - Plans received in Lander office.

February 2, 1981 at 1:00 P.M. - Meeting in Lander office with Frank Grimes and Allen Steward of Nelson Engineering - went over plans.

February 27, 1981 at 9:00 A.M. - Meeting in Lander office with Frank Grimes and Mickey Yamishiro of Nelson Engineering - went over plans.

March 4, 1981 at 2:05 P.M. - Frank LaBarge called Frank Grimes of Nelson Engineering and told Mr. Grimes areas in question are solids disposal, aeration tank theory and design.

March 5, 1981 at 9:45 A.M. - Phone review with Frank Grimes - went over plans.

March 9, 1981 at 11:30 A.M. - Phone review with Frank Grimes and Mickey Yamishiro of Nelson Engineering - went over aeration tank design and theory.

March 10, 1981 - No more phone reviews, review letter sent addressing all questions raised to this point.

FL/kn

L&J

PERMIT TO CONSTRUCT

New

Permit No. 81-28R

Renewal

See Special Condition

Modified

Sanitary Sewer Line Extension, City of Casper
Lift Station at Rancho Road to Red Cloud Road, North Platte Subdivision
(Name of Facility)

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

Casper Board of Public Utilities

200 North David Street

Casper, WY 82601

to construct, install, or modify a municipal wastewater collection system facility according to the procedures and conditions of the application No. 81-28R. The facility is located in Sections 8 & 9, 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.

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.

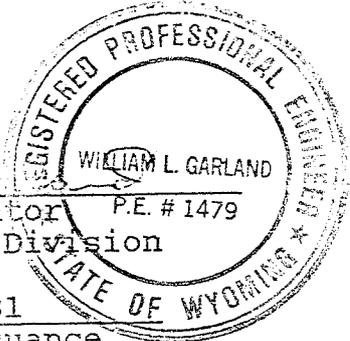
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

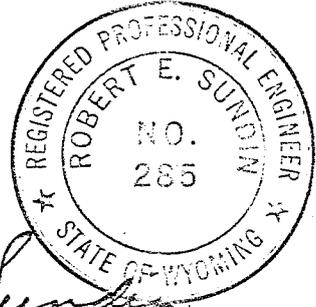


Administrator P.E. # 1479
Water Quality Division
April 7, 1981
Date of Issuance





Director
Dept. of Environmental Quality



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

cc: B. F. Cronin
Global Engineering & Land Surveying
P. O. Box 532
Casper, WY 82602

John Wagner, DEQ

Special Conditions

If sewer trench dewatering work is required during construction, the applicant shall apply for and obtain the required additional surface discharge or modified Permit to Construct prior to initiation of the dewatering work.

File with 81-28R Permit



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1 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: File

FROM: John Wagner *JW*

Const. - no permit issued

DATE: May 1, 1981

SUBJECT: Global Surveying - North Platte Sewer Project

On this date I contacted Mr. Bauer who has taken Mr. Cornin's place at Global Engineering in Casper. Mr. Bauer stated that the sewer line on the north side of the North Platte River for which he has a permit to construct (81-28R) will be delayed indefinitely. However, he indicated that he would contact me before the project gets underway to discuss dewatering proposals.

cc: LeRoy Feusner *[Signature]*

LEB

Review of Plans and Specifications

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

PROJECT: Sanitary Sewer Line Extension, City of Casper
Lift Station at Rancho Road to Red Cloud Road

ARCHITECT OR ENGINEER: B.F. Cronin
Global Engineering & Land Surveying, Inc.
P.O. Box 532, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 81-28

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

DATE OF REVIEW: February 16, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. How will sewer trench dewatering be accomplished? Where will groundwater be disposed of?
2. Where will sewage be diverted which is flowing in an eight inch VCP line referred to in Note 1 on plans?

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

81-29
thru
81-34

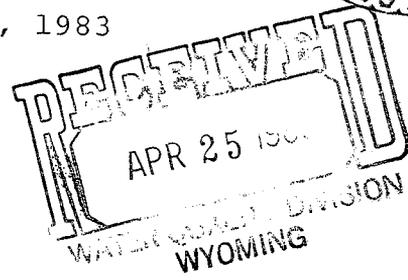
NORMA

Wyoming Fuel Company

445 Union Boulevard • Suite 310 • Lakewood, Colorado 80228 • Telephone (303) 989-5037



April 20, 1983



Department of Environmental Quality
Water Quality Division
2161 Coffeen Avenue, Suite 301
Sheridan, Wyoming 82801

Gentlemen:

Enclosed please find the letter dated April 8, 1983 on which Wyoming Fuel Company has indicated that the referenced application for the Black Mountain Mine will not be resubmitted as the proposed project has been cancelled.

If you have any questions regarding this please do not hesitate to contact me.

Sincerely,

David M. Stout
Environmental Coordinator

DMS/t1

APR 11 1983



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

April 8, 1983

CERTIFIED

Mr. John G. Althouse
Senior Mining Engineer
Wyoming Fuel Company
445 Union Boulevard, Suite 310
Lakewood, Colorado 80228

Dear Mr. Althouse:

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

Facility name:	Black Mountain Coal Mine Sedimentation Reservoirs
DEQ/WQD Reference Numbers:	81-29 through 81-34
Engineering Consultant:	John G. Althouse, P.E. 3824
DEQ/WQD Review Engineer:	Tom Mueller
Date of DEQ/WQD Review:	March 10, 1981

Please indicate below the status of your application and return this form to our office:

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



Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

April 8, 1983

CERTIFIED

Mr. John G. Althouse
Senior Mining Engineer
Wyoming Fuel Company
445 Union Boulevard, Suite 310
Lakewood, Colorado 80228

Dear Mr. Althouse:

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

Facility name:	Black Mountain Coal Mine Sedimentation Reservoirs
DEQ/WQD Reference Numbers:	81-29 through 81-34
Engineering Consultant:	John G. Althouse, P.E. 3824
DEQ/WQD Review Engineer:	Tom Mueller
Date of DEQ/WQD Review:	March 10, 1981

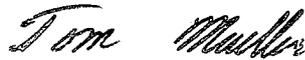
Please indicate below the status of your application and return this form to our office:

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

Mr. John G. Althouse
April 8, 1983
Page Two

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

Sincerely,



Tom Mueller
District Supervisor

TM:ls

Encl.

Wyoming Fuel Company

445 Union Boulevard • Suite 310 • Lakewood, Colorado 80228 • Telephone (303) 989-5037

March 25, 1982



Ms. Lea Stoneburner
Administrative Assistant
Department of Environmental Quality
Water Quality Division
Sheridan, Wyoming 82801

Dear Ms. Stoneburner:

As indicated on your attached form we have an owner's approval problem with water rights on two (2) of Mr. Welch's stock reservoirs that we wish to convert to sediment ponds. Mr. Valez of the State Engineer's office is working on this and has recently assured us that it is his responsibility.

At such time as we receive approval from Mr. Valez, I will be resubmitting and approving the plans for construction. Future correspondence should be directed to me as Mr. Young is no longer with us.

Very truly yours,

A handwritten signature in cursive script that reads "John G. Althouse".

John G. Althouse, P.E. 3824
Senior Mining Engineer

Enclosure
JGA/dnl

THE STATE OF WYOMING



MAR 15 1982



Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

March 11, 1982

Mr. Thomas R. Young, P.E.
Wyoming Fuel Company
P.O. Box 15265
Lakewood, Colorado 80215

Dear Mr. Young:

Our records indicate the applications for permits to construct, Reference Nos. 81-29 through 81-34, Black Mountain Coal Mine Sedimentation Reservoirs, have not been resubmitted to this office. Please indicate below the status of the applications.

- The applications will not be resubmitted. The applications are to be removed from DEQ files.
- The applications will be resubmitted within 30 days.
- The facilities have been constructed, or are under construction.

Other remarks Awaiting State Engineers clearance of stock reservoirs to be used as sediment ponds.

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

Sincerely,

Lea Stoneburner

Lea Stoneburner
Administrative Assistant

ls

Enclosure: Review of Plans and Specifications, 3/10/81

CERTIFIED MAIL - RETURN RECEIPT

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wyoming Fuel Company
Black Mountain Coal Mine
Sedimentation Reservoirs

ARCHITECT OR ENGINEER: Thomas R. Young
Wyoming Fuel Company
P.O. Box 15265
Denver, Colorado 80215

WATER QUALITY DIVISION REFERENCE NUMBER: 81-29 through 81-34

REVIEWING ENGINEER: Tom Mueller *TDM*

DATE OF REVIEW: March 10, 1981

ACTION: Not Authorized for Construction

COMMENTS:

1. Personnel in this office are unfamiliar with the "Reservoir and Spillway Data Sheet," MO-ENG-40 used to calculate storm runoff and peak flows. It will, however, be reviewed if the necessary supporting information (e.g., MO-11-18, etc.) can be provided. The information and methodology regarding precipitation amounts and curve number is adequate. (The methodology ordinarily used by this office is that found in Design of Small Dams, published 1974 by the Bureau of Reclamation, now Water and Power Resources Service.)
2. Two copies of all drawings and documents are required prior to issuance of any permit. A third copy, for return marked "Authorized" upon permit issuance, may be submitted if desired.
3. Note that reservoirs must be sized to contain three years sediment storage in the inactive storage portion, and the design 10-year, 24-hour storm above maximum sediment storage level. Reservoirs 2, 3, 4, Welch 4, and 7 do not appear to meet these criteria from what is understood of the data. This must be resolved.
4. A typical detail drawing of the outfall structures should be provided to show riprap or other necessary channel protection, provision for sampling effluent from ponds, and other construction details.
5. Strong consideration should be given to installation of collars on pipes through the dams in order to prevent channelling of water through the dams with subsequent dam failure.
6. Calculations for Pond 3 show different drainage areas in the runoff and sediment storage portions.

King Fuel Company
81-29 - 81-34
March 10, 1981

7. Construction specifications must include clearing and scarification to assure proper bonding of dam materials to foundation materials.
8. This Division has no five-foot freeboard requirement for this type of pond. Freeboard of 1.5 feet will be approved, provided wave calculations for the largest pond indicate this is adequate.

PERMIT TO CONSTRUCT

New

Permit No. 81-35

Renewal

Modified

BELLE AYR MINE SEDIMENT POND 22

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a sediment pond

facility according to the procedures and conditions of the application

No. 81-35. The facility is located in _____

Section 28, T.48N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

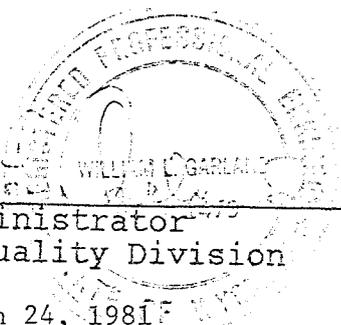
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

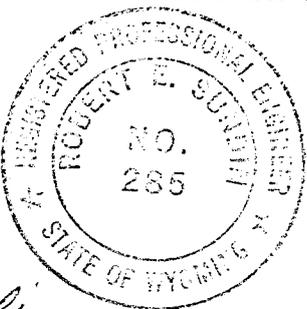
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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. Garlano
Administrator
Water Quality Division
March 24, 1981
Date of Issuance


Robert E. Surdin
Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

New

Permit No. 81-36

Renewal

Modified

BELLE AYR MINE SEDIMENT POND 23

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a sediment pond

facility according to the procedures and conditions of the application

No. 81-36. The facility is located in

Section 28, T.48N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

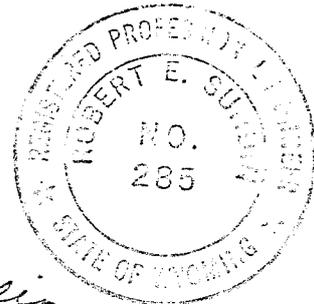
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

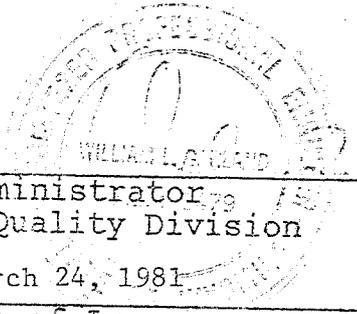
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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. Anderson
Administrator
Water Quality Division
March 24, 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.

PERMIT TO CONSTRUCT

New

Permit No. 81-37R

Renewal

Modified

BELLE AYR MINE BANPDES 008 RESERVOIR

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a NPDES pond

facility according to the procedures and conditions of the application

No. 81-37R. The facility is located in _____

Section 32, T.48N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

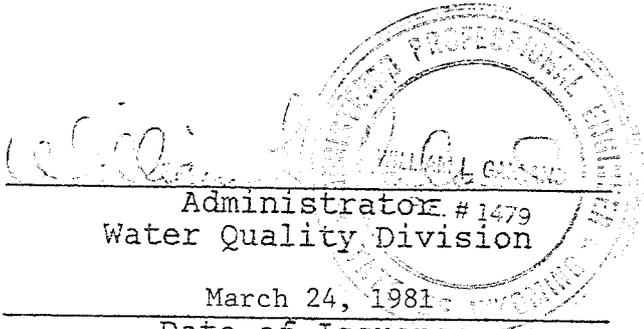
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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. Gardner
Administrator #1479
Water Quality Division

Robert E. Surtin
Director
Dept. of Environmental Quality

March 24, 1981
Date of Issuance

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

PERMIT TO CONSTRUCT

New

Permit No. 81-38

Renewal

Modified

BELLE AYR MINE BANPDES 010 RESERVOIR

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a NPDES pond

facility according to the procedures and conditions of the application

No. 81-38. The facility is located in _____

Section 32, T.48N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

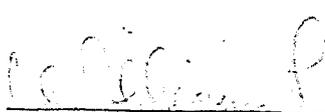
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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 PE # 1479
Water Quality Division
March 24, 1981

Date of Issuance



Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

New

Permit No. 81-39

Renewal

Modified

BELLE AYR MINE BANPDES OIL RESERVOIR

(Name of Facility)

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

AMAX Coal Company, c/o Mike Brown

P.O. Box 3005

Gillette, Wyoming 82716

to construct, install, or modify a NPDES pond

facility according to the procedures and conditions of the application

No. 81-39. The facility is located in _____

Section 33, T.48N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) 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.

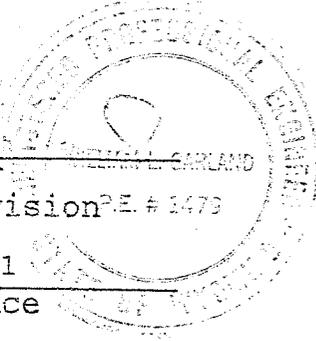
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

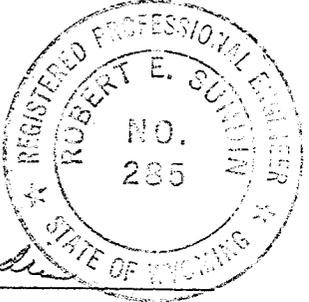
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of West Virginia. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "STATE OF WEST VIRGINIA" around the bottom edge, and "WEST VIRGINIA" in the center.

[Signature]
Administrator
Water Quality Division PE # 1473
March 24, 1981
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of West Virginia. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "STATE OF WEST VIRGINIA" around the bottom edge, and "ROBERT E. SUTTON" and "NO. 285" in the center.

[Signature]
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

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 27, 1981

Husky Oil Company
600 South Cherry Street
Denver, CO 80222

Re: Husky Oil Company Temporary Drilling Fluid Reserve Pit in Sec. 31,
T.14N, R.115W, Uinta County - DEQ Permit #81-4ORRRR

Dear Sir:

On May 19, 1981 I conducted a compliance inspection of the above referenced reserve pit. Present at the inspection were Mr. Dale Peterson, of Rocky Mountain Engineering & Surveying, Inc., and Mr. Charley Haddock, of Dozers, Inc.

The reserve pit construction was complete in all aspects, except one. The required flagging had not yet been put up. It became apparent that if the flagging were installed, as shown on the approved plans, it would be ineffective due to the location of the fence. Mr. Peterson, Mr. Haddock and I agreed that the flagging should be installed across the surface of the reserve pit at intervals not to exceed twenty feet. Mr. Haddock stated his crew would install the flagging within the next few days. Mr. Peterson said he will then forward pictures to me showing the flagging installed. This is acceptable to this office, as this detail doesn't warrant a special trip, although the next time I am in the area I will verify the flagging is up.

Other than this one point, the reserve pit appeared to be in compliance with the approved plans. Pictures were taken to document the construction of the pond and are on file in the Lander District Office.

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

Yours truly,

Handwritten signature of Francis LaBarge in cursive.

Francis LaBarge, Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman, Engineering Control Supervisor, DEQ/WQD
Tony Mancini, Groundwater Control Supervisor, Cheyenne DEQ/WQD
Marion Yoder, Assistant Attorney General
Dale Peterson, Rocky Mountain Engineering & Surveying, Inc.
Charley Haddock, Dozer's, Inc.
Dennis Farley, Uinta County Planner

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-40RRRR

HUSKY OIL COMPANY TEMPORARY DRILLING FLUID RESERVE PIT
(Name of Facility)

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

Husky Oil Company
600 South Cherry Street
Denver, CO 80222

to ~~construct, install, or~~ modify a temporary drilling fluid
reserve pit for disposal of drilling fluids from the Big Spring 15-23 well, only.

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

No. 81-40RRRR. The facility is located in Sec. 21, T. 14N, R. 115W

in the County of Uinta, in the State of Wyoming. This permit shall be effective until June 1, 1981. An extension may be approved by DEQ if proven necessary.

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.

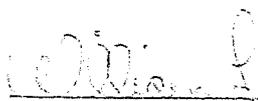
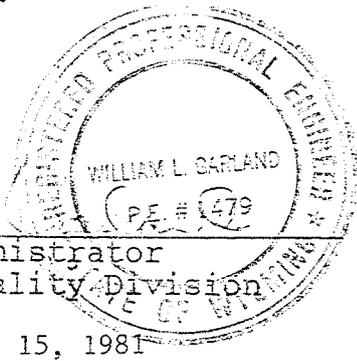
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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

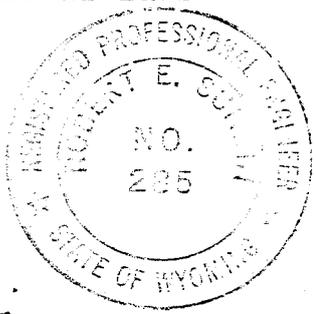
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division
STATE OF WYOMING

April 15, 1981

Date of Issuance



Director
Dept. of Environmental Quality

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

FL/nb

Noema

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 15, 1981

CERTIFIED MAIL

Husky Oil Company
600 South Cherry Street
Denver, CO 80222

Re: Husky Oil Company Temporary Drilling
Fluid Reserve Pit in Sec. 31, T.14N,
R.115W, Uinta County, DEQ NO. 81-4ORRRR

Dear Sir:

The plans for the modifications to the above referenced facility have been approved by this department, and the permit has been sent to Cheyenne for the necessary signatures. A copy of the signed permit and approved plans will be forwarded to you in approximately two to three weeks.

In an effort to bring this reserve pit into compliance as soon as possible, Husky Oil Company may begin making the necessary modifications, in accordance with the approved plans, immediately. The permit, to make the modifications, will be effective until June 1, 1981. A provision to extend this date has been added to the permit, in the case of any unforeseen events. However, as stated in my April 7, 1981 letter, we are requesting all modifications to be complete by May 15, 1981.

I am in receipt of your April 9, 1981 letter and feel some clarification is required concerning our approval of this temporary drilling fluid reserve pit. The permit to make modifications to this pit is issued with the understanding that the pit is temporary, it is expected to be closed by the end of Summer, 1981, and only drilling fluids from the Big Spring 15-23 Well will be disposed of in it. Please refer to your January 7, 1981 letter.

If you intend to use this reserve pit on a permanent basis, Husky Oil Company will have to get approval from this department. It is quite possible the temporary pit, as approved, will not meet state standards as a permanent facility. I would like to invite Husky Oil Company to make the necessary applications to this office to get such approval.

Husky Oil Company
April 15, 1981
Page Two

Reference was also made to the fact that Husky Oil Company is in disagreement over the need for a permit from the State Engineer's Office. Please be advised that issuance of a permit from the Department of Environmental Quality - Water Quality Division does not relieve the permittee from any responsibility to any applicable State laws or regulations. This is clearly stated on all permits issued by this department.

Yours truly,



Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman, Cheyenne DEQ/WQD
Tony Mancini, Cheyenne DEQ/WQD
Marion Yoder, Attorney General's Office
Dale Peterson, Rocky Mountain Engineering & Surveying, Inc.
Dennis Farley, Uinta County Planner
Wayland Anderson, State Engineer's Office, Cheyenne



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 7, 1981

Certified Mail

Husky Oil Company
600 S. Cherry Street
Denver, CO 80222

Re: Husky Oil Company Drilling Fluid
Reserve Pit in Sec. 21, T. 14N, R.
115W, Uinta County
DEQ Reference No. 81-4ORRR

Dear Sir:

A review of your response to my February 6, 1981, review letter has been completed. There are some minor points which have to be clarified, therefore, another review letter (copy enclosed) has been sent to your engineer, Mr. Dale Peterson. Mr. Peterson has informed me that he will respond within one week as requested in the review letter.

Upon a satisfactory reply, the revised plans should meet minimum design standards. Because the reserve pit is in non-compliance with the revised plans, a permit will be issued for the necessary modifications. You are requested to make all the modifications necessary to bring this reserve pit into compliance with the approved plans by May 15, 1981.

A followup inspection will be made by personnel from this office to determine if the reserve pit is in compliance. The Attorney General's office will be informed of our findings. As a reminder, do not make any modifications until the permit has been issued.

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

Enclosure

cc: Jake Strohman, Cheyenne DEQ/WQD
Tony Mancini, Cheyenne DEQ/WQD
Marion Yoder, Attorney General's Office
Dale Peterson, Rocky Mountain Engineering & Surveying, Inc.
Dennis Farley, Uinta County Planner

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

Certified Mail

PROJECT: Husky Oil Company Drilling Fluid Reserve Pit

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

OWNER: Husky Oil Company
600 S. Cherry Street
Denver, CO 80222

WATER QUALITY DIVISION REFERENCE NUMBER: 81-40RRR

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

DATE OF REVIEW: April 6, 1981

ACTION: Not authorized.

COMMENTS: A review of your response to my February 6, 1981, letter has been completed. The following points need to be resolved before a "Permit to Construct" can be issued for the required modifications.

1. Resolved
2. Resolved
3. What are the results of the percolation tests that were ran?
4. The fence and flag need to be shown on the plans.
5. Resolved
6. A reference to site reclamation should be noted on the plan sheet.
7. I have not yet received this confirmation from the Solid Waste Management Section.

Additional Comments

8. The plans need to be stamped by the engineer.

Husky Oil Company
DEQ #81-40RRR

2

April 6, 1981

Please respond to this review letter, in triplicate, within one (1) week of your receipt of it. If you have any questions, contact me at this office.

FL/kn

Enclosure

cc: Jake Strohman - Cheyenne DEQ/WQD
Tony Mancini - Cheyenne DEQ/WQD
Marion Yoder - Attorney General's Office
Dennis Farley - Uinta County Planner

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Husky Oil Company Drilling Fluid Reserve Pit

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

OWNER: Husky Oil Co.
600 S. Cherry Street
Denver, CO 80222

WATER QUALITY DIVISION REFERENCE NUMBER: 81-40

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 6, 1981

ACTION: ~~NOT AUTHORIZED~~ "As Built" not approved.

COMMENTS:

A review of the "as built" plans for the reserve pit has been completed. The following points and comments need to be resolved.

1. Any impoundment, diversion or use of surface of underground water must have clearance of the Office of the State Engineer. On the application you have indicated the State Engineer has not reviewed this project. This needs to be done. I understand Husky may have already done this -- if so, list the State Engineer's permit number on the application. If not, an application must be made to the State Engineer's office.
2. What is the capacity of this pond below the three (3) feet of freeboard?
3. Dikes should be constructed of relatively impervious material and compacted to at least 90 percent Standard Proctor Density to form a stable structure. On February 5, 1981 I made an on-site inspection of the facilities. The dikes appear to be constructed of the excavated material taken from the pond. This material consists of boulders, gravel, sand and clay. I doubt if a D-9 dozer running over the embankments will give a 90 percent Standard Proctor Density. As a result, the dikes are probably quite permeable.

... /2

A.B.C

Review of Plans and Specifications
Husky Oil Company Drilling Fluid Reserve Pit
Date of Review - February 6, 1981
Page Two

4. A fence will be required around the reserve pit to keep cattle, wild animals and trespassers out.
5. The reported analytical results (Table 1) show that the wastewater contains a number of constituents in concentrations which would be considered excessive for domestic and other waters. I doubt if the mud would completely seal the bottom of the pond. The following information is requested on Mr. Murray's well:
 - Location by Section, Township, Range
 - Static Water Level
 - Water Quality
 - Well Construction, including Drilling Log, if available.
6. Plans and specifications for "reclamation" of the site are requested. When the pit is reclaimed, construction should prevent infiltration of rain and snow. The material should be "mounded," covered with an impervious layer and then covered with a minimum thickness of soil (similar to solid waste burial). The final result will be a slight surface mound.
7. Where is all the oil coming from? I find it hard to believe that much oil can be leaking from the haul trucks. The source of this oil must be eliminated. The oil on the pond surface should be removed and the oil clinging to the rocks and soil cleaned off, removed and properly disposed of.

Please respond to this review letter, in triplicate, within thirty (30) days of your receipt of it. If you have any questions, please contact me at this office.

FL:nb

Copy: Jake Strohman - Cheyenne DEQ/WQD
Tony Mancini - Cheyenne DEQ/WQD
Marian Yoder - Attorney General's Office
Dennis Farley - Uinta County Planner



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 9, 1981

CERTIFIED MAIL

Husky Oil Company
600 S. Cherry Street
Denver, CO 80222

RE: Husky Oil Company Drilling Fluid Reserve Pit
Located in Sec. 21, T. 14N, R. 115W, Uinta County
DEQ #81-40

Dear Sir:

A review has been completed on the "as built" plans for the above referenced facility (copy enclosed). A written response is requested within thirty (30) days of your receipt of this letter.

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 Engineer
Southwest District

FL:nb

Enclosure

Copy: Jake Strohman, Cheyenne DEQ/WQD
Tony Mancini, Cheyenne DEQ/WQD
Marian Yoder, Attorney General's Office
Dale Peterson, Rocky Mountain Engineering & Surveying, Inc.
Dennis Farley, Uinta County Planner

MEMORANDUM

TO: Frank LaBarge

FROM: A. J. Mancini *ajm*

DATE: February 4, 1981

SUBJECT: Illegally constructed drilling fluid disposal pond located in Sec. 21, T14N, R115W in Uinta Co. (81-40) and Brine tanks near Evanston in Uinta Co. (81-42)

Drilling fluid disposal pond: The reported analytical results (Table 1) show that the wastewater contains a number of constituents in concentrations which would be considered excessive for domestic and other waters. I doubt that the mud would completely seal the bottom of the pond. I would suggest that the applicant obtain whatever information is available on Mr. Murray's well and submit it to the Water Quality Division, including:

- Location, by Section, Township and Range
- Static water level
- Water quality
- Well construction, including drilling log

When the pit is reclaimed, construction should prevent infiltration of rain and snow. The material should be "mounded", covered with an impervious layer and then covered with a minimum thickness of soil (similar to solid waste burial). The final result will be a slight surface mound. You might consider requiring the applicant to submit plans and specifications for "reclamation" of the site.

Brine tanks: The first tank cracked and may have caused pollution of groundwater. Even though the second tank has been constructed differently, I think at least one monitor well should be required. If a monitor well is drilled, background water quality data should be obtained before the tank is put into use and samples from the well should be collected for analysis, and results submitted to Water Quality Division periodically (monthly to start).

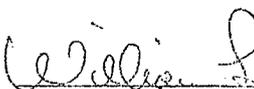
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

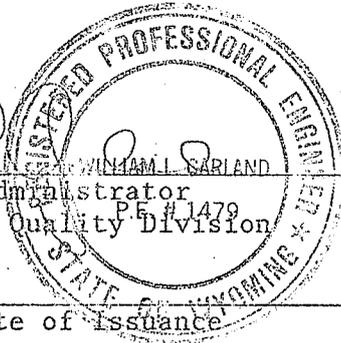
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

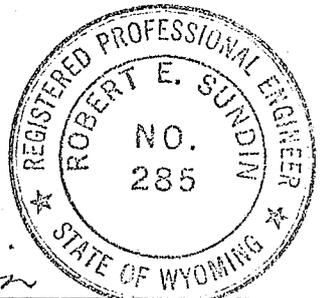
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



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




ROBERT E. SUNDIN
Director
Dept. of Environmental Quality


April 14, 1983

Date of Issuance

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

AJB:dcn
(4/18/83)

PERMIT TO CONSTRUCT - #81-41RR

Page 2

<u>Facility</u>	<u>Location</u>	<u>Type</u>
EP-11	T18N R100W Sec. 15	Evaporation of ground water
EP-12	T18N R100W Sec. 29	Evaporation of ground water
SP-E1	T18N R100W Sec. 19,20,30	Settling pond and ditches
SP-E2	T18N R100W Sec. 20,21,29, 30,31	Settling pond and ditches
SP-F1	T19N R100W Sec. 33,34	Settling pond and ditches
	T18N R100W Sec. 4	
SP-F2	T18N R100W Sec. 4	Settling pond and ditches
SP-F3	T18N R100W Sec. 4	Settling pond and ditches
SP-F6	T18N R100W Sec. 9	Settling pond and ditches
SP-F7	T18N R100W Sec. 9,10	Settling pond and ditches
SP-H1	T19N R100W Sec. 35,25,36	Settling pond and ditches
SP-H2	T19N R100W Sec. 35	Settling pond and ditches
SP-H3	T19N R100W Sec. 35	Settling pond and ditches
SP-H4	T19N R100W Sec. 35	Settling pond and ditches
SP-H5	T18N R100W Sec. 2	Settling pond and ditches
SP-H6	T18N R100W Sec. 2	Settling pond and ditches
SP-H7	T18N R100W Sec. 2	Settling pond and ditches
SP-H8	T18N R100W Sec. 2,10,11	Settling pond and ditches
SP-H9	T18N R100W Sec. 15,22	Settling pond and ditches

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Black Butte Coal Mine

ENGINEER: Peter Kiewit Sons Co.
1000 Kiewit Plaza
Omaha, Nebraska 68131

Attn: Edward L. Jankowski

OWNER: Black Butte Coal Co.
P.O. Box 98
Point of Rocks, WY 82942

Attn: James M. Wilson, Manager

WATER QUALITY DIVISION REFERENCE NUMBER: 81-41

REVIEWING ENGINEER: Albert J. Berreth, P.E. *ajb*

DATE OF REVIEW: March 4, 1981

ACTION: Not authorized.

COMMENTS: The initial review of this project has been completed with copies of Appendix D6, Volumes 4, 5, and 6 which have been borrowed from Land Quality Division. Three copies of Appendix D6 must be submitted to Water Quality Division before a "Permit" can be issued. Also, the following items need to be addressed before a "Permit" can be issued.

1. Embankments

- a) Some pond dikes are required to have a core trench and others are not. Please explain the rationale in the decision.
- b) What will be the basis for deciding when cutoff collars are used on corrugated metal pipes?

2. Evaporation Pond Design

- a) An analysis of the pit water is needed. A complete analysis should be provided which includes physical, chemical, bacteriological, and radiological characteristics. These analyses will be reviewed for potential groundwater pollution and suitability for land application.
- b) An explanation of the annual evaporation estimate is needed. There is considerable difference between a pan and an earthen pond. Why has a pan coefficient of 1.0 been used?

3. Sedimentation Ponds

A further description of pumping equipment is needed. It must be shown that your equipment has the capability to dewater the ponds in a timely manner.

The following items refer to specific ponds.

4. EP-11

A liner is shown on the drawing. Is its use intended? If so, is the percolation rate the same as for EP-12? Also, what compaction is required and how thick is the liner?

5. SP-E1

The dissipator pool is not shown on the drawing. In the calculations an SCS head-discharge curve was referenced. In which publication can this be found?

6. SP-F1

Is any protection provided for the curve in the spillway?

7. SP-F7

The calculations refer to a ditch to catch runoff from a spoil pile. What is the relationship to the pond?

8. SP-H5

The slope on the culvert is not shown.

9. SP-H8

a) The total drainage area is greater than the area used in the calculations.

b) Will this pond receive any pit water?

cc: Jake Strohman - DEQ/WQD
Tony Mancini - DEQ/WQD
E. J. Fanning - DEQ/WQD
Bud Preston - Land Quality Division



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 9, 1981

Mr. Scott W. Kamber, Permit Coordinator
Black Butte Coal Co.
P.O. Box 98
Point of Rocks, WY 82942

RE: Application for "Permit to Construct"
81-41/Black Butte Coal Mine

Dear Mr. Kamber:

Enclosed is information on what is required for a complete permit application. Please review it and submit additional information on the Black Butte Coal Mine. When that information is received a formal review will be made.

Respectfully,

Albert J. Berreth

Albert J. Berreth, P.E.
Southwest District Engineer

AJB/nb

Enclosures

cc: Tony Mancini - Cheyenne DEQ/WQD
Rick Engleman - Lander DEQ/AQD

C

PERMIT TO CONSTRUCT

New

Permit No. 81-41RR

Renewal

Modified

BLACK BUTTE COAL MINE

(Name of Facility)

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

Black Butte Coal Company

P.O. Box 98

Point of Rocks, WY 82942

to construct, install, or modify Ponds (see attached list)

facility according to the procedures and conditions of the application

No. 81-41RR. The facility is located in _____

(see attached sheet)

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

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

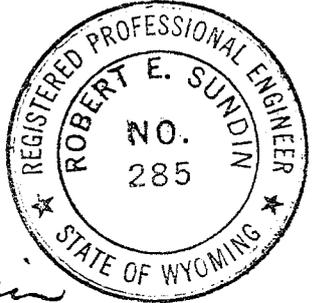
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

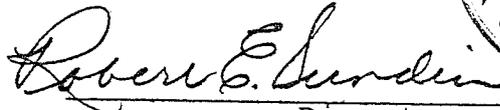
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:




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


Director
Dept. of Environmental Quality

April 24, 1988
Date of Issuance

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

AB:nb

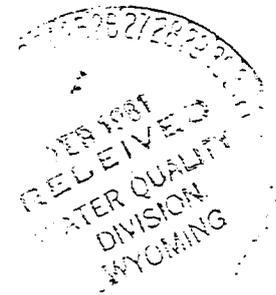
January 27, 1981

~~87-41~~

~~Application for Permit to Construct - 81-41RRR~~

For
Applicant: Black Butte Coal Co.
P.O. Box 98
Point of Rocks, WY 82942

<u>Facility</u>	<u>Location</u>	<u>Type</u>
EP-11	T18N R100W Sec. 15	Evaporation of ground water
EP-12	T18N R100W Sec. 29	Evaporation of ground water
SP-E1	T18N R100W Sec. 19,20,30	Settling pond and ditches
SP-E2	T18N R100W Sec. 20,21,29,30,31	Settling pond and ditches
SP-F1	T19N R100W Sec. 33,34 T18N R100W Sec. 4	Settling pond and ditches
SP-F2	T18N R100W Sec. 4	Settling pond and ditches
SP-F3	T18N R100W Sec. 4	Settling pond and ditches
SP-F6	T18N R100W Sec. 9	Settling pond and ditches
SP-F7	T18N R100W Sec. 9, 10	Settling pond and ditches
SP-H1	T19N R100W Sec. 35,25,36	Settling pond and ditches
SP-H2	T19N R100W Sec. 35	Settling pond and ditches
SP-H3	T19N R100W Sec. 35	Settling pond and ditches
SP-H4	T19N R100W Sec. 35	Settling pond and ditches
SP-H5	T18N R100W Sec. 2	Settling pond and ditches
SP-H6	T18N R100W Sec. 2	Settling pond and ditches
SP-H7	T18N R100W Sec. 2	Settling pond and ditches
SP-H8	T18N R100W Sec. 2, 10, 11	Settling pond and ditches
SP-H9	T18N R100W Sec. 15, 22	Settling pond and ditches



Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 15, 1981

C. Raymond Christensen
113 Main Street
Evanston, WY 82930

Re: Salt Brine Tank DEQ #81-42

Dear Mr. Christensen:

I am in receipt of your April 10, 1981 letter. Based upon the statements made in that letter, this office finds your actions satisfactory and considers the case closed.

If you should decide, at some point in the future, to begin another brine mixing operation, the facilities must be approved by the Department of Environmental Quality before they are put into use. Your application has been withdrawn and the plans are being returned to you with this letter.

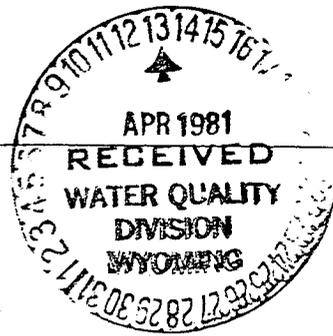
If you have any questions, contact me at this office.

Yours truly,

Francis LaBarge
Water Quality Evaluator
Southwest District

Enclosure

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Tony Mancini - Environmental Engineer, Cheyenne DEQ/WQD
Dale Peterson - Rocky Mountain Engineering & Surveying, Inc.
Dennis Farley - Uinta County Planner



4-10-81

Dear Mr. Le Carge -

I received your registered letter and will start ^{Draining out &} filling in the old tank ~~on~~ this week. I'm reviewing all I have to do to use the new ^{one} and how unstable an operation that it is I feel at this time that I will not put the new one in operation.

When I decide for sure what I plan to do with the ground I will get in touch with you and make sure I work close with you in complying with all the regulations that I need to. I am keeping in close contact with Mr. Petersen of Rocky Mountain Engineering & Survey, Inc. also.

Thanks for your help and concern

C. Raymond Christensen

113 Main St. ~~Evansville~~

Evansville Wyo.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

CERTIFIED MAIL

PHONE: (307) 332-3144

PROJECT: Raymond Christensen Salt Brine Tank

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

OWNER: Raymond Christensen
113 Main Street
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-42

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 7, 1981

ACTION: ~~NOX APPROVED~~ "As Builts" not approved.

COMMENTS:

A review of the "as built" plans has been completed. The following items need to be resolved.

1. Figure 3, Floor Plan, states 12" Rebar 2'OC Vert. Walls All Around. I assume this should be #5 rebar, or 5/8" rebar, @ 2 feet O.C.
2. This tank does not have a foundation which extends down through the frost level. As a result, it may heave and the resulting stresses could crack it. However, it appears the tank, as constructed, may be strong enough that the entire structure will move instead of cracking. Please supply the necessary structural calculations that will verify this.
3. A maximum water level line, in a bright color, should be painted on the inside of the tank so whoever is filling it can easily see it.
4. What type of mixer is used to mix the salt and water? How much splashing occurs? If the water splashes out of the tank some type of splash guards should be installed.

... /2

A, B, C

Review of Plans and Specifications
Raymond Christensen Salt Brine Tank
Date of Review - February 7, 1981
Page Two

5. The first tank cracked and may have caused pollution of the groundwater. Even though the second tank has been constructed differently, at least one monitoring well will be required. The well should be located to the Northwest of the brine tank. A depth of approximately 30 to 35 feet should be sufficient based on the information provided. Background water quality data should be obtained before the tank is put into use and samples from the well should be collected for analysis, and the results submitted to this office on a monthly basis to start. Complete details of the construction of this well are needed.
6. When will the old tank be destroyed and filled in?

Please submit the required information, in triplicate, to this office within thirty (30) days of your receipt of this review. If you have any questions, please call me.

FL/nb

cc: Jake Strohman, Cheyenne DEQ/WQD
Tony Mancini, Cheyenne DEQ/WQD
Dennis Farley, Uinta County Planner



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 9, 1981

CERTIFIED MAIL

Mr. Raymond Christensen
113 Main Street
Evanston, WY 82930

Dear Mr. Christensen:

This office has conducted a review of the "as built" plans of the Brine Tank submitted by Rocky Mountain Engineering and Surveying. A review letter (copy enclosed) is being sent to you and your engineer.

A written response to the questions raised is required within thirty (30) days of your receipt of this letter. It is expected that the Brine Tank will not be used until this matter has been resolved.

Failure to receive a response within the given time frame will result in this office recommending that a Notice of Violation be issued. If you have any questions, please call me.

Yours truly,

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

Francis LaBarge
Water Quality Engineer
Southwest District

FL/nb

Enclosure

cc: Jake Strohman - Cheyenne, DEQ/WQD
Tony Mancini - Cheyenne, DEQ/WQD
Dale Peterson - Rocky Mountain Engineering & Surveying, Inc.
Dennis Farley - Uinta County Planner

MEMORANDUM

TO: Frank LaBarge

FROM: A. J. Mancini *ajm*

DATE: February 4, 1981

SUBJECT: Illegally constructed drilling fluid disposal pond located in Sec. 21, T14N, R115W in Uinta Co. (81-40) and Brine tanks near Evanston in Uinta Co. (81-42)

Drilling fluid disposal pond: The reported analytical results (Table 1) show that the wastewater contains a number of constituents in concentrations which would be considered excessive for domestic and other waters. I doubt that the mud would completely seal the bottom of the pond. I would suggest that the applicant obtain whatever information is available on Mr. Murray's well and submit it to the Water Quality Division, including:

- Location, by Section, Township and Range
- Static water level
- Water quality
- Well construction, including drilling log

When the pit is reclaimed, construction should prevent infiltration of rain and snow. The material should be "mounded", covered with an impervious layer and then covered with a minimum thickness of soil (similar to solid waste burial). The final result will be a slight surface mound. You might consider requiring the applicant to submit plans and specifications for "reclamation" of the site.

Brine tanks: The first tank cracked and may have caused pollution of groundwater. Even though the second tank has been constructed differently, I think at least one monitor well should be required. If a monitor well is drilled, background water quality data should be obtained before the tank is put into use and samples from the well should be collected for analysis, and results submitted to Water Quality Division periodically (monthly to start).



#81-43
ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 27, 1983

Mr. Harry J. Kessner
Bennett-Carder & Assoc. Inc.
P. O. Box 1324
Rock Springs, WY 82901

RE: Purple Sage Subdivision
#81-43 and #81-7RRR

Dear Mr. Kessner:

Per our telephone conversation, permit application #81-43 is being withdrawn. We will keep a file with one copy of the plans for a record. The remainder are being returned to you.

Please also note that Permit #81-7RRR expired April 8, 1983 and has not been renewed.

Respectfully,

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

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD with plans
File (3)

PERMIT TO CONSTRUCT

New

Permit No. 81-44R

Renewal

Modified

FRENCH CREEK VILLAGE MOBILE HOME PARK
(Name of Facility)

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

AA Land Company

c/o Dana Lohse

Kaycee, Wyoming 82639

to construct, install, or modify a _____

sewer and public water supply extensions

facility according to the procedures and conditions of the application

No. 81-44R. The facility is located in _____

Blocks 1 and 2, Anderson Addition

Section 26, T.51N., R.82W.

in the County of Johnson, 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.

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.

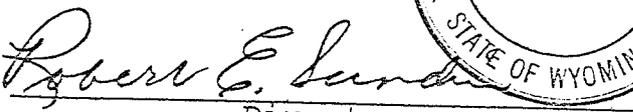
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING

March 16, 1981
Date of Issuance


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

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

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

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-45

GRACE PETROLEUM SOUTH BISHOP RANCH
(Name of Facility)

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

Grace Petroleum Corporation Attn: Donald C. Smith
Three Park Central, Suite 200, 1515 Arapahoe Street
Denver, Colorado 80202

to construct, install, or modify a septic wastewater

facility according to the procedures and conditions of the application

No. 81-45. The facility is located in Section 36,
T.48N., R.70W.

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

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

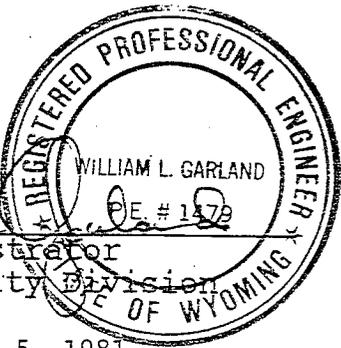
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

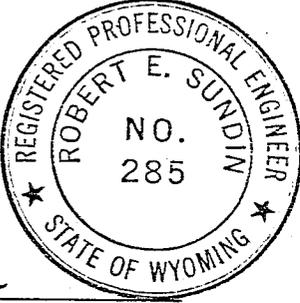
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


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


Robert E. Sundin
Director
Dept. of Environmental Quality

February 5, 1981
Date of Issuance

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

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

2-7-84

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 6, 1984

Neil Current
Box 1363
Mills, WY 82644

Dear Mr. Current:

On January 14, 1982, a status letter was sent to you concerning a permit to construct, reference number 81-46, facility name Current Property. 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,

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

LCF/nc

cc: Charles K. Wols, Wols & Assoc., 933 West 14th St., Casper, WY 82601
Nix Anderson, Natrona Co. Health Dept., 1200 East 3rd, Casper, WY 82601-2990



THE STATE OF WYOMING

ED HERRICK
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 14, 1982

CERTIFIED

Neil Current
Box 1363
Mills, WY 82644

Dear Mr. Current:

Our records indicate your application for a permit to construct, Reference Number 81-46, Facility Name Neil Current, has not been resubmitted to this office. Please indicate below the status of your application.

The application will not be resubmitted. The application is to be removed from D

The ap

The fa

Other

If this le
from our files.

*A reply was not received
Therefore we can send this back.*

TBN

be removed

*Per Nik Anderson
2-3-84
Not Built*

8+4

Review of Plans and Specifications

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

PROJECT: Neil Current

ARCHITECT OR ENGINEER: Charles K. Wolz, Wolz & Associates
933 West 14th. Street, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-46

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

DATE OF REVIEW: March 13, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

On January 8 and February 3, 1981; Bill Glasier of Santec Corporation visited our office to discuss the Neil Current application. Additional information was requested for the entire treatment system and problems were discussed with the pond sizing and irrigation system. Mr. Glasier stated he would contact you with this information. Since no further information has been received, this is DEQ's formal review requesting the following information:

1. Winter time usage
2. Sprinkler system details
3. Neighboring land uses
4. Soil type and surface contours
5. Is soil capable of absorbing the anticipated wastewater volume?
6. Disinfection system
7. Water supply system

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Crude Oil Shop Building

ENGINEER: Bennet-Carder & Associates, Inc.
P.O. Box 1324
Rock Springs, WY 82901
Attn: Harry J. Kessner

OWNER: Crude Oil Company
111 East A Street
Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-47R

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

DATE OF REVIEW: April 22, 1981

ACTION: Not authorized.

COMMENTS:

The following points have to be clarified before a permit to construct can be issued:

- 1) The plans have not been stamped by the engineer. They are being returned to be stamped.
- 2) Before the permit to construct will be issued, the washwater disposal question has to be resolved. The plans for the disposal of the sanitary wastes are satisfactory.
- 3) Because this facility is located within the Rock Springs Area Regional Wastewater Treatment System, a condition will be attached to the permit. A copy of this condition is enclosed. Do you have any comments regarding this?

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

FL:nb
Enclosure

A.C.

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

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

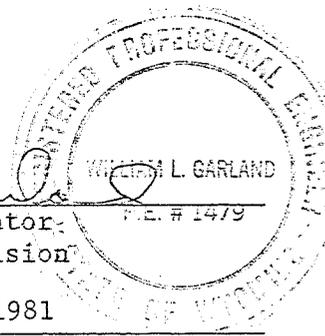
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

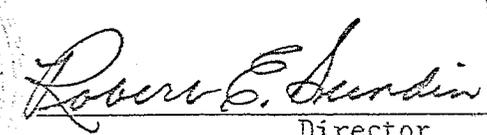
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

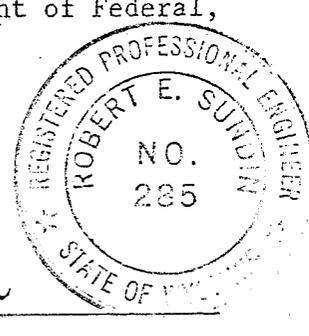


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



May 9, 1981
Date of Issuance

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

FL/tc

CONDITIONS FOR 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 Rock Springs Area Regional Wastewater Treatment System 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 and integrated into the regional system in accordance with the requirements of the Rock Springs Area Regional Wastewater Treatment System.

THE STATE



OF WYOMING

~~7-11-81~~
ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 16, 1981

Bennet - Carder & Associates
P.O. Box 1324
Rock Springs, WY 82901

Attn: Harry J. Kessner

Re: Crude Oil Company Shop Building
DEQ Ref. No. 81-47

Dear Mr. Kessner:

As of this date there has been no response to my February 7, 1981 review letter (copy enclosed) on the above referenced project. Please inform this office on the status of this project.

When can we expect a reply? If the project has been abandoned, please submit a letter withdrawing the application. If you have any questions, contact me at this office.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Enclosure

cc: Cheyenne DEQ/WQD

Crude Oil Co., 111 East A St., Casper, WY 82601

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Crude Oil Company Shop Building

ENGINEER: Bennet-Carder & Associates, Inc.
P.O. Box 1324
Rock Springs, WY 82901
Attn: Harry J. Kessner

OWNER: Crude Oil Company
111 East A Street
Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-47

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 7, 1981

ACTION: Not authorized.

COMMENTS:

The following points have to be clarified to complete the review of the proposed facilities before a permit to construct can be issued.

1. A septic tank capacity of 1,000 gallons is inadequate for a flow of 1,000 GPD. A minimum tank size of 1,500 gallons is required.
2. Piping out of the septic tank should be Schedule 40 PVC.
3. I agree with the disposal area you show, 770 square feet, but the disposal field shown on the plan sheet calculates out to only 504 square feet.
4. Drainfield filler material should be gravel, not sand.
5. A minimum of six (6) inches of $\frac{1}{2}$ -inch to $2\frac{1}{2}$ -inch gravel is required below the disposal field piping.
6. A minimum of two (2) inches of $\frac{1}{2}$ -inch to $2\frac{1}{2}$ -inch gravel is required over the disposal field lines.
7. The gravel should be covered with untreated building paper or equivalent before backfilling.
8. All disposal field dimensions need to be shown on the plan sheet.

A, B, C

Review of Plans and Specifications
Crude Oil Company Shop Building
Date of Review - February 7, 1981
Page Two

9. When were the percolation tests run? What was the air temperature when they were run? How far below the frost line was the test hole dug?
10. Please show the inlet pipe to the septic tank on the plan sheet, as well as the holding tank piping.
11. The washwater that will be coming from the equipment cleaning facility will be capable of causing or contributing to pollution. Therefore, it is classified as a wastewater and must be treated as such. A holding tank, on a permanent basis, will not be approved by this office. One point that is unclear is that you estimate a flow of 1,000 GPD. I assume this is for the entire shop building, baths and equipment cleaning flows.

A disposal area of 770 square feet, based on the presented percolation rate, should be adequate for a flow of 1,000 GPD. Why the holding tank?

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

FL/nb

PERMIT TO CONSTRUCT

New

Permit No. 81-48

Renewal

Modified

ROBERT E. EDWARDS PROPERTY

(Name of Facility)

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

Robert E. Edwards c/o Malcolm D. Crawford

103 West Sunset Drive

Gillette, Wyoming 82716

to construct, install, or modify a commercial septic system

facility according to the procedures and conditions of the application

No. 81-48. The facility is located in _____

Section 4, T.59N., R.72W.

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

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

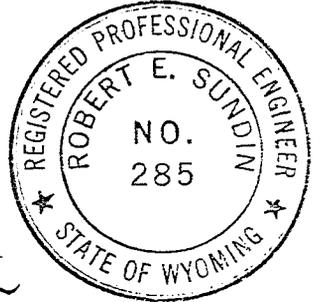
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

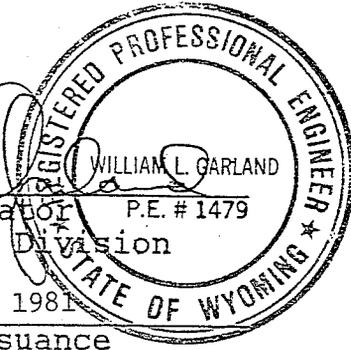
g in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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

AUTHORIZED BY:




WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division
March 11, 1981
Date of Issuance

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The center of the seal contains the name "WILLIAM L. GARLAND" and the number "P.E. # 1479".


Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

New

Permit No. 81-49R

Renewal

(Ref. 80-607)

Modified

REFERENCE THE ATTACHED COMMENT

Wilson Subdivision Sewer Extension - Lander

(Name of Facility)

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

Strube Construction, Inc. - c/o Donald Strube

505 Hursh

Riverton, WY 82501

to construct, install, or modify a 800 feet of 10-inch sanitary
sewer

~~Facility~~ according to the procedures and conditions of the application

No. 81-49R. The facility is located in Sec. 13, T. 33N,

R. 100W

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

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

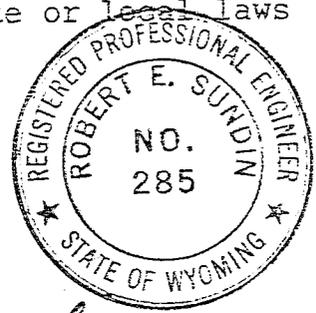
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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.

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

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

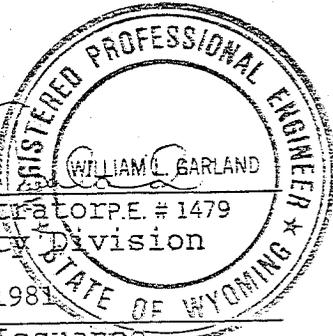
AUTHORIZED BY:



William L. Garland

Administrator P.E. # 1479
Water Quality Division
February 12, 1981

Date of Issuance



Robert E. Sunden

Director
Dept. of Environmental Quality

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

MRC/kn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

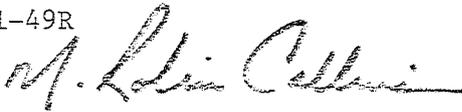
PROJECT: Wilson Subdivision Sewer Extension - Lander

ENGINEER: C.E. Spurlock, Jr., P.E.
P.O. Box 0
Lander, WY 82520

OWNER: Donald Strube
505 Hursh
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 81-49R

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



DATE OF REVIEW: February 12, 1981

ACTION: ~~Not~~ authorized

COMMENTS:

The aforementioned is authorized and permitted for construction.
The following comment is given as confirmation of action to
be taken by the owner.

No service connections or extensions to this 800-
foot sewer line extension will be made without prior
approval from the Department of Environmental Quality.

MRC/kn

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-50

Ref. No. 79-22RRRRR

Mountain View Estates Mobile Home Park
(Name of Facility)

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

Ernest Henning

135 So. Greeley Highway

Cheyenne, WY 82001

to construct, install, or modify a water distribution and subsurface disposal facility according to the procedures and conditions of the application No. 81-50. The facility is located in Section 15, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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.

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:

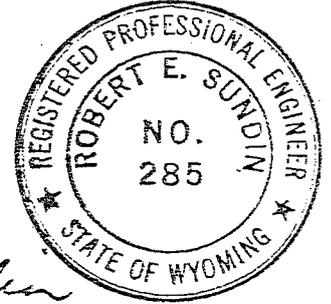


William L. Garland

Administrator
Water Quality Division

February 16, 1981

Date of Issuance



Robert E. Sunden

Director
Dept. of Environmental Quality

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

cc: Fred Sielbach, Jr.
1780 Westland Rd.
Cheyenne, WY 82001

