

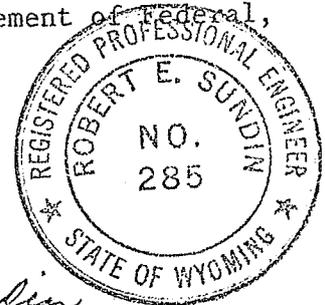
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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted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

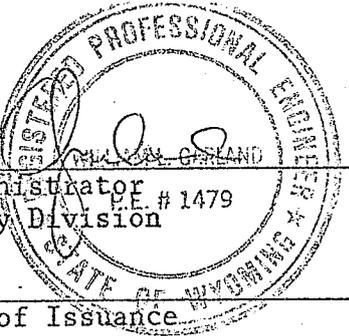
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AUTHORIZED BY:





Administrator
Water Quality Division
P.E. # 1479




Director
Dept. of Environmental Quality

February 8, 1983
Date of Issuance

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

AJB:dcn

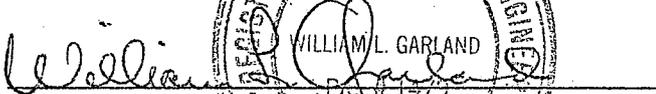
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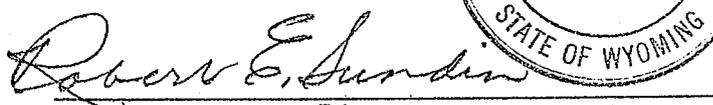
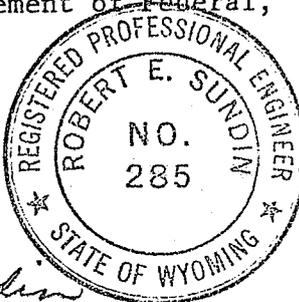
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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division



Director
Dept. of Environmental Quality


February 15, 1983
Date of Issuance

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

JB:dcn

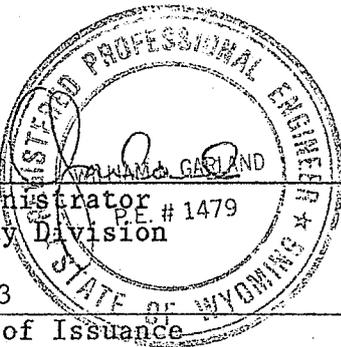
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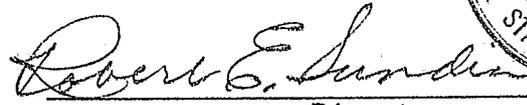
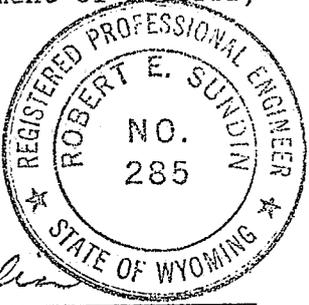
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AUTHORIZED BY:



Administrator
Water Quality Division
P.E. # 1479
February 24, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

FL:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Mountain View Acres Off Site Sewer

ENGINEER: Jerry Crews
2334 Rose Lane
Riverton, WY 82501

OWNER: Bernard Scott, City Engineer
City of Riverton
P. O. Box 1700
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 83-53

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 11, 1983

ACTION: **Not authorized.**

COMMENTS: A review of your application has been completed. Before a permit to construct can be authorized, the following points need to be addressed:

1. The City of Riverton Standard Specifications have not yet been authorized by this department; therefore, it is necessary that three sets of the specifications be provided. Once the standard specifications have been authorized, it will not be necessary to provide them with each application, but only to reference them on the plans.
2. The surface elevation of each manhole should be provided on the profile.
3. It is not clear if it is intended to obtain a permit for the water line extension to Mt. View acres at this time. The reason I ask is that Mr. Scott has addressed the water system in his cover letter, received with the plans, but the application form does not. I am assuming the water line is not intended to be a part of this application and that if and when the line is to be extended to the subdivision, a permit will be obtained at that time. Is this correct?

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

FL:dcn

AC

Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

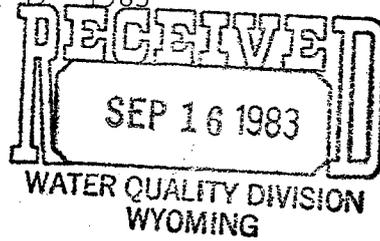
Department of Environmental Quality
Water Quality Division

165 EAST RAILROAD AVENUE

GREEN RIVER, WYOMING 82935

TELEPHONE 307 875-6911

September 12 1983



Chevron, USA Inc.
P. O. Box 599
Denver, CO 80201

ATTN: Mr. G. M. Emerick
Manager, Environmental and Proration Matters

Dear Mr. Emerick:

Per your letter dated August 19, 1983, we are withdrawing your plans for the Painter Reservoir Unit Evaporation, Water Quality Division reference No. 83-54,

Should you desire to permit this system in the future, you will need to resubmit your application.

Included with this letter are two of the three sets of plans originally submitted. The third set is being kept in our office for record purposes.

Sincerely,

Jack Bedessem
Water Quality Engineering Evaluator
Southwest District

JB:mpm

cc: DEQ/WQD Cheyenne
File



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

NORMA

August 19, 1983

Wastewater Permit Application
Dated 2/2/83
Painter Reservoir Unit Evaporation
Pit 33-6A
Water Quality Division Reference
Number #83-54
Uinta County, Wyoming

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

Dear Sir:

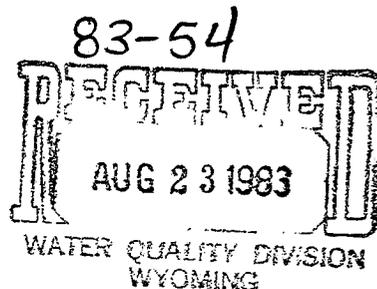
Chevron U.S.A. Inc. hereby requests withdrawal of the subject permit application. Reserve pit fluids from drilling wells in the Painter Reservoir Unit will not be hauled to the pit. Evaporation of the remaining liquids in the pit should be complete by this fall. The site will be reclaimed and the area revegetated to BLM specifications in 1984.

If you have any questions, please contact Jeanette NewVillé at (303) 691-7084 or Jim Barnhart at (307) 789-7350.

Yours very truly,

G. M. Emerick
Manager, Environmental and Proration
Matters

cc: W. B. Jackson
R. H. Elliott
M. L. Swetnam
G. D. Eckerdt
J. Barnhart
L. L. Kirkpatrick
B. L. Haynes



REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Painter Reservoir Unit Evaporation Pit

ENGINEER: C. E. Spurlock Jr. and Associates
Attention: C. E. Spurlock, Jr.
Box 0
Lander, WY 82520

OWNER: Chevron USA, Inc.
Attention: Louis Kirkpatrick
P. O. Box 599
Denver, CO 80201

WATER QUALITY DIVISION REFERENCE NUMBER: #83-54

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 25, 1983

ACTION: Not authorized.

COMMENTS: An initial review of the above mentioned project has been made. Before the review can be completed and a "Permit to Construct" issued, the following points need to be resolved or addressed:

1. Information is needed as to the soil conditions (lithology) below the site. Include types, depths, thicknesses, etc. Also include information about the percolation rate of the pit bottom.
2. The depth to the top most water bearing is needed. This includes perched water. A sample of this water should be analyzed for the parameters listed on page 9 of Chapter VIII - Quality Standards for Wyoming, Groundwaters (enclosed).
3. Evaluate and address whether seepage from the pit will reach the top most water bearing zone, and what effect it may have on the groundwater quality.
4. The State Engineers Office indicates that 3 wells exist in the SW of NE of Section 6 versus 1 shown on Exhibit A and 2 wells exist in the SE of NW of Section 6 versus 1 on Exhibit A. Address depth, static water level and status.
5. Address the strike and depth of any impermeable strata. Evaluate the possibility of seepage travelling down gradient topographically to the existing wells.
6. A chemical analyses of the fluid from each reserve pit should be performed before dumping into the evaporation pit. The analyses should include those parameters listed on page 9 of Chapter VIII.

Review of Plans and Specifications

Painter Reservoir Unit Evaporation Pit #83-54

February 25, 1983

Page Two

7. A chemical analyses must be performed on the fluid in the evaporation pit quarterly. Same parameters as note in item 6.
8. Estimate the amount of fluids to be disposed of in the evaporation pit annually. Address the pits operation, records, management and monitoring.
9. It is recommended that a fence be placed around the sight.

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

JB:dcn



Norma

Jack Bedessem

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tony Mancini, Groundwater Control Supervisor

FROM: Bill Ewen, Engineering Evaluator *WSE*

DATE: February 25, 1983

SUBJECT: Chevron Painter Reservoir Disposal Pit for Drilling Fluids;
Application # 83-54 "As Built"

My comments are as follows:

1. Site soil permeabilities will be needed.
2. What is the depth and water quality of the top-most water bearing zone beneath the site?
3. What is the lithology below the site? What is the strike and dip of the strata?
4. Applicant should evaluate the possibility of seepage being carried topographically downgradient to the wells located in Section 6, SW/NE.
5. Depth, use, status, and owner of water wells shown in Exhibit A should be provided. In addition State Engineer records show 3 wells in Section 6, SW/NE and 2 wells in Section 6, SE/NW versus the one in each quarter/quarter shown on Exhibit A.
6. Chemical analysis for Chapter VIII parameters should be required on each reserve pit to utilize this site. Similarly, quarterly analysis should be required of the pond liquid.

cc: Jack Bedessem



Norma

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tony Mancini, Groundwater Control Supervisor
FROM: Bill Ewen, Engineering Evaluator *hse* ←
DATE: February 25, 1983
SUBJECT: Chevron Painter Reservoir Disposal Pit for Drilling Fluids;
Application # 83-54 "As Built"

My comments are as follows:

1. Site soil permeabilities will be needed.
2. What is the depth and water quality of the top-most water bearing zone beneath the site?
3. What is the lithology below the site? What is the strike and dip of the strata?
4. Applicant should evaluate the possibility of seepage being carried topographically downgradient to the wells located in Section 6, SW/NE.
5. Depth, use, status, and owner of water wells shown in Exhibit A should be provided. In addition State Engineer records show 3 wells in Section 6, SW/NE and 2 wells in Section 6, SE/NW versus the one in each quarter/quarter shown on Exhibit A.
6. Chemical analysis for Chapter VIII parameters should be required on each reserve pit to utilize this site. Similarly, quarterly analysis should be required of the pond liquid.

cc: Jack Bedessem

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

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

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AUTHORIZED BY:

William J. Garland
WILLIAM J. GARLAND
Administrative # 1479
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

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

March 18, 1983
Date of Issuance

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

"CONDITIONS OF PERMIT"

1. The pond liner material must fall within the following range of specifications: 3 feet of 1×10^{-8} cm/sec to 3.6 inches of 1×10^{-8} cm/sec.
2. The type of bentonite used must be or the equivalent of Volclay Saline Seal 100.
3. Prior to installation of the liner and based on the Soils Lab's study, information must be submitted to this office addressing conditions 1 and 2.
4. Fresh water must be used in the compaction of the dikes and liner.

AJB:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Seale Produced Water Disposal Pond

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

OWNER: Urroz Ranch
P. O. Box 878
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: #83-55

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 24, 1983

ACTION: Not authorized.

COMMENTS: An initial review of the above mentioned project has been made. Before the review can be completed and a "Permit to Construct" issued, the following points need to be resolved or addressed:

1. Records from the State Engineers office indicate that groundwater may be at depths of 43-65 feet in the proposed pond area.
2. If the wastewater is allowed to percolate through the soil, a complete hydrogeologic study is needed to determine exactly where the wastewater will travel and the threat to groundwater quality. The various layers of clay, claystone, and sandstone may act as impermeable layers on which the perched fluid will travel down slope and eventually daylighting.
3. A relatively impermeable liner is recommended rather than allowing percolation of the wastewater. Address the proposed liner construction, specifications and construction details.
4. If aerators are to be used to increase evaporation include specifications (i.e. cfs, nozzels, diffusers) and address operation.
5. Information is needed as to how the pond will be operated (warm and cold weather).
6. Will this pond receive produced water from this one well only and/or will it be used to dispose of waste drilling fluids or produced water from other locations?

Review of Plans and Specifications
Seale Produced Water Disposal Pond
February 24, 1983
Page Two

7. Estimate the daily amount of produced water that will be generated from this one well.

8. It is recommended that a fence be placed around the disposal facility.

9. The application for a "Permit to Construct" must be signed by the owner or responsible representative.

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

JB:dcn

Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002
M E M O R A N D U M

TELEPHONE 307 777-7781

TO: Tony Mancini
FROM: Bill Ewen *WBE*
DATE: February 23, 1983
SUBJECT: Seale Produced Water Disposal Pond; Permit Application #83-55

I have reviewed the subject application and have the following comments and recommendations:

SUMMARY

The applicant is proposing to build a 3 acre disposal pit to accept 600 barrels/day of produced water containing 59,000 mg/l TDS. The water violates Class I standards on the following additional parameters:

- | | |
|--------------------|-----------------|
| Fe | Cl |
| NH ₃ -N | Mn |
| B | SO ₄ |

Hydrogen sulfide was not analyzed.

The pond is to be constructed of a liner material able to percolate up to 2"/day of liquid. This equates to about 3,000,000 ft³/yr.

The applicant has submitted well logs indicating that groundwater lies around 600' depth. However, the well logs are from wells about 1/2 mile away from the pond site. State Engineer's records show wells within 1 mile of site at depth of 43'.

An on-site geotechnical study shows alternating sandstone-siltstone-claystone layers beneath the site. The site is on a high ridge with slopes in some directions of over 20%. No discussion is made of the ultimate direction or fate of the seepage.

Memo To: Tony Mancini
Page Two
February 23, 1983

COMMENTS

- 1) The disposal pond should be constructed with a liner equivalent to a 3 foot thick liner of material having a permeability of 1×10^{-7} cm/sec. The liner should be immune to degradation by the waste fluid.

OR

- 2) The applicant should conduct a detailed geohydrologic study which will provide answers to the following questions:
- a. What will be the transport pathway, i.e., the ultimate fate, of the approximately 3,000,000 ft³/yr of proposed seepage?
 - b. Will the proposed seepage have any effect on the water quality of the spring located in Section 11 of T14N, R120W?
 - c. What is the depth and quality of the top-most water bearing zone, including perched water, beneath the proposed site?
 - d. What effect will the seepage ultimately have on water quality of all water wells within 1 mile of the proposed site? (See comment number 3 below)
 - e. Will the seepage daylight due to the strike and dip of the sandstone-claystone layers?
- 3) Besides the two Amoco-owned water wells sited in the application, the State Engineer's records show the following wells located within 1 mile of the proposed site:

<u>WELL NO.</u>	<u>USE</u>	<u>LOCATION</u>	<u>DEPTH</u>
23127	DOM, STO	T15N, R120W, 34, SW/SE	65 ft.
23126	DOM	T15N, R120W, 35, SW/SW	135 ft.
56333	STO	T15N, R120W, 35, SW/SW	43 ft.
58856	MISC	T14N, R120W, 2, NW/SW	?
40536	STO	T14N, R120W, 2, NW/SE	?

cc: Jack Bedessem

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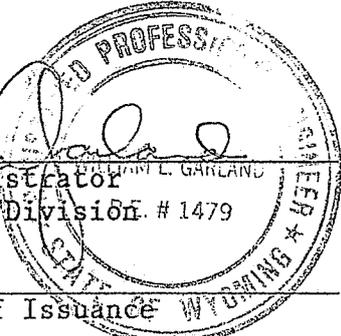
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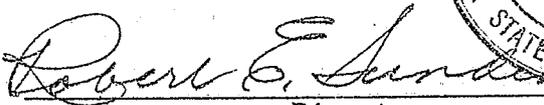
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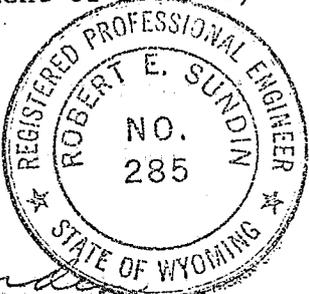
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AUTHORIZED BY:


Administrator
Water Quality Division # 1479
February 23, 1983
Date of Issuance




Director
Dept. of Environmental Quality



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

JB:dcn



*Sims Shop
Fremont Co.*

*Department of Environmental Quality
Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 13, 1983

Larry K. Sims
P. O. Box 1044
Lander, WY 82520

RE: Permit Application #83-57

Dear Larry:

I am returning two copies of the plans you submitted for an on site wastewater disposal facility to serve your shop building and camper hookups. We are retaining one copy of the plans for our records.

When you are ready to proceed with this project, please resubmit your application. We will review it as soon as possible.

Thank you for your cooperation.

Respectfully,

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

Jeff C. Hermansky
Water Quality Evaluator
Northwest District

JCH:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

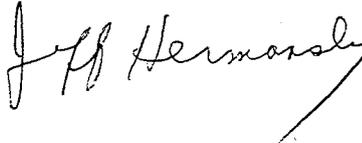
PROJECT: Sims Shop and Camper Hookups

ENGINEER: D. B. Woltersdorf
Box 1005
Lander, WY 82520

OWNER: Larry K. Sims
P. O. Box 1044
Lander, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 83-57

REVIEWING EVALUATOR: Jeff C. Hermansky



DATE OF REVIEW: February 11, 1983

ACTION: Not authorized.

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

1. A more detailed site plan must be submitted. In addition to the shop building/garage, septic tank, and leach field, also show the proposed camper spaces, collection lines, water lines, parking areas, driveways, and cistern.
2. Is the facility to be placed on fill material? If so, what is the depth of the fill in the area proposed leach field?
3. What material will you use between the gravel in the leach trenches and the soil backfill? You may use straw, untreated building paper, or filter cloth.
4. Please show a plan and profile of the sewage collection piping. Include all necessary cleanouts, fittings and risers. A detail of the service risers for the camper spaces is required.
5. Are there any wells or waterways near the septic tank and leach field?
6. Please give the specs for the material to be used for the collection piping, testing of the pipe, bedding material, and backfill.

If you have any questions, please feel free to contact either Francis LaBarge or me.

JCH:dcn

AC

Date March 31, 1983

CERTIFIED

Larry K. Sims
P.O. Box 1044
Lander, Wyoming 82520

Dear Larry :

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: Sims Shop and Camper Hookups
DEQ/WQD Reference Number: 83-57
Engineering Consultant: W.B. Woltersdorf
DEQ/WQD Review Engineer: Jeff Hermansky
Date of DEQ/WQD Review: February 11, 1983

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 thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other remarks _____

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

Sincerely,

Jeff Hermansky for Francis LaBarge

Francis LaBarge, P.E.
Northwest District Supervisor
Water Quality Division

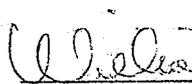
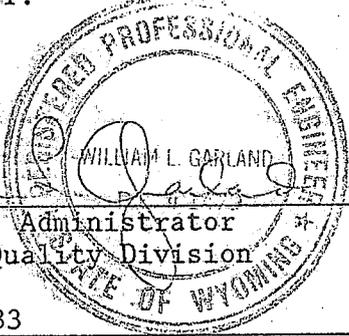
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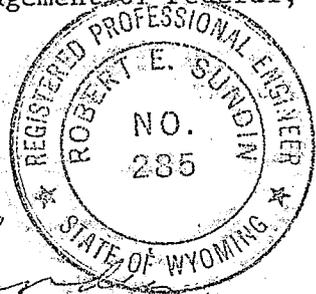
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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal,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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

March 8, 1983

Date of Issuance

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

* CONDITION OF PERMIT *

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

The facility authorized by this permit can be operated until the regional system is made available. At that time, the facility authorized by this permit will be abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan.

The permittee shall notify the representative of the Fremont County Planning Department of the day construction is scheduled to commence and the estimated completion date of this project. Final inspection of the installed system is required before backfilling. The authorized representative in your area can be contacted at the following address:

Ray Price
Fremont County Planning Department
Courthouse Building, Room 200
Lander, Wyoming 82520

FL:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: The Junction Motel

ENGINEER: D. B. Woltersdorf
Box 1005
Lander, WY 82520

OWNER: Larry K. Sims
P. O. Box 1044
Lander, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: #83-58

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: February 11, 1983



ACTION: Not authorized.

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

1. A more detailed site plan must be submitted. In addition to the motel, septic tank and water lines, please show the proposed parking areas, driveways and cistern. The leach field can't be constructed in an area that will be used for a driveway or parking.

Also show the distance to any well or waterways in the area. If there are none, please note that on the Plan Sheet.

2. Is this facility to be placed on fill material? If so, what is the depth of the fill in the area of the proposed leach field?

3. What material will you use between the gravel in the leach trenches and the soil backfill?

4. Please show a plan and profile of the sewage collection piping. Be sure to show all the necessary cleanouts and fittings.

5. How many beds do you propose per motel unit?

6. Please submit specifications for the collection piping, testing of the pipe, bedding material, backfill, etc.

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

J lcn

AC



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 11, 1983

Indian Health Service
P. O. Box 2143
Billings, Montana 59103

Attention: George L. Allen, P.E.

RE: IHS No. EHE-SFC
DEQ No. 83-59R

Dear Mr. Allen:

I have reviewed the revised plans and specifications for improvements to the water system at Ethete, Wyoming.

I am unable to make recommendations or comments regarding the performance of the proposed pressure filters since there was insufficient information supplied. Likewise, I could not determine if the filters meet the Department of Environmental Quality standards for such an installation.

Although pressure filters are certainly a step in the right direction, by themselves, they can't be expected to be effective in the removal of all Giardia cysts or turbidity to levels always meeting standards. Pressure filters, like rapid sand filters, require the addition of floc forming chemicals to the raw water prior to passing through the filters.

As you know, the Department of Environmental Quality does not issue construction permits on the Wind River Indian Reservation. We, of course, would like to see all water and wastewater facilities on the Reservation constructed to meet the same standards required for the State of Wyoming. We, therefore, sincerely appreciate the opportunity to review and comment on proposed projects.

If this office can be of any further assistance on this project or any other project, please feel free to contact us.

Respectfully,

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

Jeff C. Hermansky
Water Quality Evaluator
Northwest District

JCH:dcn
cc: Felix Fletchas, EPA-Denver



REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Wind River Indian Reservation, Ethete
Pumphouse and Gallery Renovation

ENGINEER: Indian Health Service, George Allen, P.E.
P. O. Box 2143
Billings, MT 59103

OWNER: Public Health Service
Indian Health Center
Fort Washakie, WY 82514

WATER QUALITY DIVISION REFERENCE NUMBER: 83-59

REVIEWING EVALUATOR: Jeff C. Hermansky



DATE OF REVIEW: February 15, 1983

ACTION: Not authorized.

COMMENTS: The following questions and comments need to be addressed before a review of the project can be completed:

1. A hydrolic profile of the water system from the pump house to the storage tanks needs to be submitted.
2. Please supply a copy of the projects design calculations.
3. Please supply the information on the new submersible pumps for the pump house.
4. It is not clear to me how the raw water fills the wetwell. Can you clarify this question for me?
5. I did not note any alarm system for low water levels or pump failure.
6. All chlorine gas equipment and lines must be located in the chlorine room. There would be a potential hazard to install the chlorine injection system as shown. Such installation is not permitted by Wyoming Standards.
7. A bottle of ammonium hydroxide, 56% ammonia solution, must be available for chlorine leak detection.
8. The chlorine room must have air inlets through louvers located near the ceiling.
The windows to the chlorine room must be shatter resistant as well as gas tight.

ABC

Review of Plans and Specifications
Grand River Indian Reservation, Ethete #83-59
February 15, 1983
Page Two

10. The doors to pumping stations are required to be outward opening.
11. The information applied for a review of the storage tanks is inadequate. We need information on the tank sizing, protection, access, vents, the roof, protection from freezing, and silt stop for distribution piping.
12. Although the proposed infiltration gallery is an acceptable method of source development, it is not a complete water treatment system. During the times of the year when the river is turbid, the finished water will not meet the minimum EPA standard of <1 NTU. Therefore, a method of treating the water must be included to insure the finished water can consistently meet the EPA standards.

If you have any questions, please feel free to contact either Francis LaBarge or me.

JCH:dcn

cc: Felix Flechas, EPA, Drinking Water Branch

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

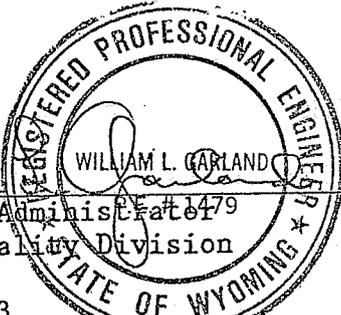
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

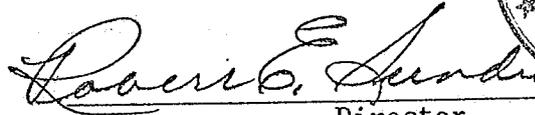
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

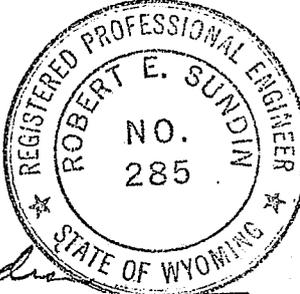
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator #1479
Water Quality Division




Director
Dept. of Environmental Quality


March 18, 1983

Date of Issuance

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

FL:dcn

MEMORANDUM

TO PLANS: Shoshone Guest Ranch Cabin Septic System, #83-60
FROM: Francis LaBarge *fl*
DATE: February 10, 1983
SUBJECT: Phone Review

On this date, I conducted a phone review of the above plans with Roy Holm. The following items were discussed:

1. The application form needs to be signed by the owner;
2. I need verification that the proposed systems are not within 10 feet of any property lines; and,
3. The absorption area is 345 ft^2 , not 500 ft^2 .

Roy will respond to items #1 and #2. As per ²his consent, I will change the Disposal Area on the Check List Sheet from 500 ft^2 to 345 ft^2 . No review letter was sent.

FL:dcn

BC

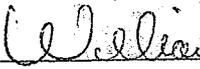
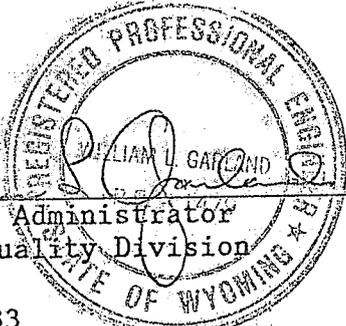
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

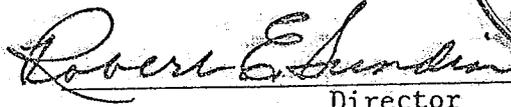
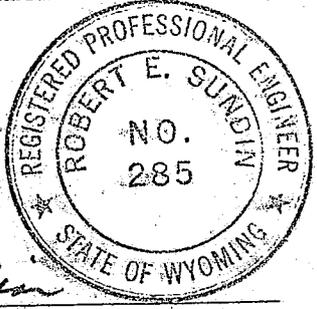
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

March 10, 1983

Date of Issuance

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

* CONDITION OF PERMIT *

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

Karin Boutain
Big Horn County Planner
Regional Planning Office
P. O. Box 228
County Courthouse
Basin, Wyoming 82410

FL:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Wastewater Disposal Facility In Temporary Classrooms at the Burlington Elementary School

ENGINEER: George Tresler
Tresler & Dicks Architects
P. O. Box 1060
Cody, WY 82414

OWNER: Jerold Judd, Superintendent of Schools
Big Horn County School District No. 1
P. O. Box 176
Byron, Wyoming 82412

WATER QUALITY DIVISION REFERENCE NUMBER: 83-61

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 11, 1983

ACTION: **Not authorized.**

COMMENTS: A review of your request for a construction permit for the above project has been received. Chapter III, Section 4 (b) of the Wyoming Water Quality Rules and Regulations (copy enclosed) requires that all plans and specifications submitted shall carry the seal or signature of the designing engineer, who is a registered engineer in the State of Wyoming. In order to receive a construction permit, the plans and specifications must be signed by such an engineer. It is also necessary that an "Application for Permit to Construct . . ." form (copy enclosed) be completed and submitted with your plans.

I have reviewed the plans and specifications you submitted for compliance with our minimum design standards described in Appendix A and B of Chapter III. The following is a list of items that will have to be addressed and/or provided to complete my review and bring the plans into compliance with these standards:

1. It is required that the amount of absorption area be based upon an average of 6 percolation tests run at the site of the proposed leach field. It is acceptable to run only 3 percolations tests but if this is done, we require that the absorption area be based upon the slowest of the 3 tests. Please provide copies of the percolation test data sheets and show the location of the actual tests on the plans.
2. What is the soil type in the area of the proposed leach field?
3. What is the depth to the highest known groundwater level or impervious layer in the area of the proposed disposal system?
4. It is required that the septic tank inlet and outlet pipes be Schedule 40 PVC or Cast Iron for a minimum of 5 feet on each side of the tank. This needs to be noted on the plans.

ABC

February 11, 1983

Page Two

5. The waterlines serving the school and the 2 modular classrooms need to be shown on the plans. The separation distances between these lines and the septic tank and leach field needs to be shown.
6. What is the separation distance from the well to the septic tank and to the leach field?
7. The leach field should not be located where it will be driven over or in a parking area. Please verify this.
8. What is the distance between the septic tank and the distribution box?
9. Are there any waterways within 50 feet of the septic tank and/or leach field?
10. Is any part of the proposed disposal facility within 10 feet of any property boundaries?
11. The specifications need to state that the distribution box is to be installed level.
12. What is the length of the 2 outside perforated pipes in the disposal field? The detail shows 5 lines @ 90'-0" but it appears these 2 are longer.
13. What are the lengths of the solid pipes from the distribution box to the perforated pipes?
14. A profile of the sewer line from the modular classrooms to the septic tank is required. The profile should also extend to include the septic tank and leach field with the critical elevations being shown.
15. A sewer riser detail is required. The riser pipe needs to be protected at the ground surface by a concrete pad at least 4 inches thick and 12 inches in diameter. The riser pipe must extend at least 4 inches above the natural ground.
16. The plans need to show the separation distance between the sewer line and all water lines.
17. The separation distance between the water and sewer risers needs to be shown. A minimum horizontal separation distance of 5 feet is required between these 2 risers.
18. A cleanout is recommended at the South end of the sewer pipe. A cleanout detail is needed.
19. What is the source of water for the 2 modular classrooms? If the source has 20 or more service connections with the addition of these 2 connections, it is defined as a public water supply and it will be necessary to obtain a permit from this office to modify the system.

Please submit the required information and revised plans, in triplicate, to this office. If you have any questions concerning this review letter, please call me at this office.

L:dcn

Enclosures



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: A. J. Mancini, Groundwater Control Supervisor

FROM: Kate Laudon, Engineering Evaluator *Kg L*

DATE: March 22, 1984

SUBJECT: Texaco meeting held on 3/15/84, and the Casper Texaco Refinery, North Property Groundwater Pollution Abatement Program, 1983 Annual Report DEQ/WQD Ref. No. 83-62R

A meeting held on March 15, 1984 was attended by representatives of Texaco, Wyoming Department of Environmental Quality, Water Quality and Solid Waste Management Divisions, and Western Water Consultants. A list of attendees is included with this memo. The purpose of the meeting was to discuss the Casper Texaco Refinery North Property Ground-Water Pollution Abatement Program, 1983 Annual Report" which was prepared by Western Water Consultants Inc. Additional discussion addressed a seep that was investigated recently in the vicinity of the Evansville Dump. Several issues related to groundwater were discussed over the course of the meeting.

Groundwater in the vicinity of the chemical evaporation pond has been improving steadily since aeration of the pond water was started in December of 1982. In November 1983 water in the chemical evaporation pond was discharged to the excess service water effluent ponds. Approximately 650 cubic yards of sludge remain in the bottom of the chem pond.

Texaco is currently considering three options for treatment of the remaining sludge. Samples of the sludge will be collected on March 26, 1984 and analyzed for hazardous waste criteria. Based on the results of this final analysis, Texaco hopes to negotiate a closure plan for the pond with the EPA. The three options that Texaco is considering for treatment of the sludge are to:

1. Leave it where it is in the bottom of the chemical evaporation pond;
2. Incorporate it into their existing land farm operation; or
3. Remove it and dispose of it at an alternate site.

At the meeting, Texaco stressed that they would like to keep the pond closure plan, which they feel is an EPA concern, separate from the groundwater pollution abatement plan which is of concern to WDEQ/WQD.

Two wells along the western boundary of the Texaco property continue to show elevated concentrations of Total Organic Carbon (TOC), phenols, and ammonia. Texaco is currently monitoring these wells on a monthly basis for groundwater quality data. In the annual report, and during the meeting Texaco suggested that they would like to return to quarterly monitoring of these wells. Texaco intends to run a GC-MS analysis on samples collected from wells M-30, and M-32 on March 26, 1984. This analysis may help to determine the specific nature of the organic contamination that is contributing to the elevated TOC values along the western property boundary. Once this analysis is evaluated, Texaco may request a reduced monitoring schedule for these wells. WDEQ/WQD will consider this request when it is received.

Although ammonia and phenol concentrations have decreased dramatically in monitor wells around the chem ponds, they are still above acceptable levels. Western Water Consultants Inc. feels that reported phenol concentrations around .05 mg/l may represent the lower limit of analytical accuracy that can be achieved. The EPA and WDEQ/WQD drinking water standard is .001 mg/l.

Texaco will continue to monitor water quality in these wells on a quarterly basis. They also intend to model the groundwater in an attempt to estimate the time required for natural attenuation of groundwater contamination. WDEQ/WQD informed Texaco that if natural attenuation does not prove to be effective in eliminating contamination, Texaco may have to initiate an active groundwater cleanup program. Texaco agreed to submit a timetable to WDEQ/WQD outlining their proposed groundwater cleanup strategy.

We also discussed the seep that has appeared in the North Platte River along the south bank from the Evansville landfill. Texaco feels that their existing oil recovery system is working effectively to prevent any oil from moving off their property. Bill Rickert from Texaco has been monitoring the seep on a daily basis, and will continue to do so. He also indicated that he was willing to do some exploratory trenching with his backhoe along their western property line. He is quite sure that the seep is not coming from their property and feels that this trenching will substantiate his claim. Since Texaco will be sampling most of the week of March 26, 1984, the trenching will probably be done the week of April 1, 1984.

cc: LeRoy Feusner
Tom Williams
DEQ/SWM

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-62R
SEE SPECIAL CONDITIONS

Casper Texaco Refinery - Chemical Evaporation Pond Wastewater Treatment System
(Name of Facility)

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

Texaco USA, Casper Texaco Refinery

P.O. Box 320

Casper, WY 82602

to construct, install, or modify an industrial, mechanical treatment wastewater treatment system for the liquid contents of a chemical evaporation pond facility according to the procedures and conditions of the application No. 83-62R. The facility is located in Sections 6, 28, 29 and 31, T33N, R78W and Section 1, T34N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

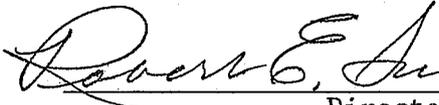
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

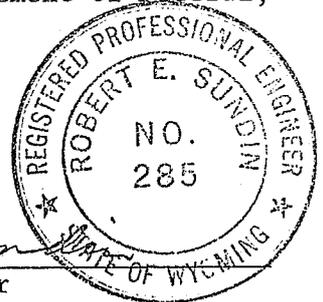
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator 1479
Water Quality Division
MAY 3 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.

CONDITIONS TO PERMIT TO CONSTRUCT

1. This permit to construct does not authorize treatment or disposal of the chemical evaporation pond sludge. The applicant must submit the required data/information contained in the Water Quality Division's "Guidelines for Development of a Land Application System" for review and authorization of a land application system prior to disposal. The guidelines have been provided earlier under separate cover. The Water Quality Division will also evaluate any other proposed disposal system for the pond sludge. A new permit to construct is required for the pond sludge disposal operation.
2. The quality of the treated chemical evaporation pond wastewater treatment system discharge must ensure that the groundwater under the Excess Service Water Evaporation Ponds (ESWEP) will be protected pursuant to standards contained in Chapter 8, Wyoming Water Quality Rules and Regulations.
3. The applicant shall continue to collect and analyze samples, on a semiannual basis beginning in July 1983, from both the Excess Service Water Evaporation Ponds (ESWEP) surface water (sampling locations ESW 1a, ESW 1b, ESW 1c, ESW 2a, ESW 2b, ESW 2c, ESW 3a, ESW 4a, and ESW 5a) and groundwater under the ESWEP (existing wells M-1, M-2, M-3, M-4, M-5, and M-6). Sample parameters shall include all those listed in Appendix C of the report, "Casper Texaco Refinery North Property Groundwater Pollution Abatement Plan". Monitoring results will be reported to the Water Quality Division, 1111 East Lincolnway, Cheyenne, WY 82002, as soon as water quality information is available.

cc: Paul A. Rechard, Western Water Consultants, 410 Grand Ave. #213, Laramie, WY 82070

A. J. Mancini, DEQ/WQD, Cheyenne
Michael Brenoel, DEQ/WQD, Cheyenne

Review of Plans and Specifications

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

PROJECT: Casper Texaco Refinery/Chemical Evaporation Pond Wastewater Treatment Facility, Natrona Co.

ARCHITECT OR ENGINEER: Paul Rechard, Western Water Consultants, Inc.
410 Grand Ave., Suite 213, Laramie, WY 82070

APPLICANT: Mr. W. E. Rickart, Texaco USA, Casper Texaco Refinery
P.O. Box 320, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 83-62

REVIEWING ENGINEER: Leroy C. Feusner, E. J. Fanning, Mic Brenoels

DATE OF REVIEW: March 17, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Application form for the Permit to Construct must be signed and dated by the applicant.
2. The Texaco Conceptual Engineering Plan and design drawing must carry the seal or signature or a professional engineer licensed in the State of Wyoming.
3. What is the COD of the chemical evaporation pond liquid and sludge?
4. What is the source of the biological seed material for the aerated reactor? How do you plan to sustain the life of the bacteria in the tank?
5. Table VI is confusing to me. What is the difference and meaning of the total metals and RCRA-P metals analyses? What is the organic composition of this sludge?
6. Disposal of the chemical evaporation pond sludge through land farming operations will require further investigation and review by this division. You may either include the required data/review items with this application, or a separate application for a Permit to Construct may be filed with the Water Quality Division. Since we have not authorized any land farming operations at the Casper Texaco refinery, the applicant will be required to provide us with the information outlined in the attached "Guidelines for Development of a Land Application System".
7. On what basis do you make the statement that "no adverse environmental impact will result from the discharge of treated CEP water to the SWEP"? Will the proposed treatment system provide complete treatment for all organics in the wastewater without degrading existing groundwater under the SWEP ponds? We have limited data to verify this position. Will an effluent polishing step, i.e. activated carbon, be required to reduce organic parameter concentrations to safe levels?

8. The quality of the treated CEP wastewater discharge must ensure that the groundwater under the SWEP will be protected pursuant to standards contained in Chapter VIII, Wyoming Water Quality Rules & Regulations.
9. Continued monitoring of groundwater quality should be accomplished by the applicant.

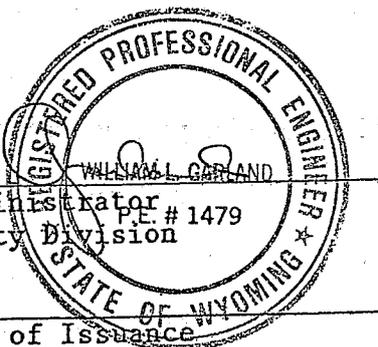
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

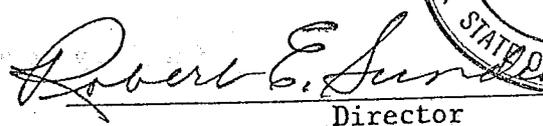
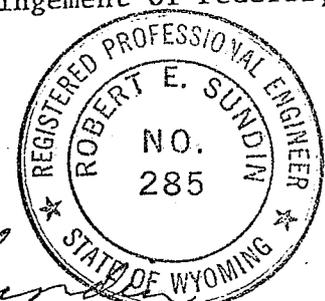
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:


Administrator
Water Quality Division
P.E. # 1479



Director
Dept. of Environmental Quality


March 15, 1983

Date of Issuance

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

FL:dcn

MEMORANDUM

TO PLANS: Houtz Condominiums, #83-63R

FROM: Francis LaBarge *FL*

DATE: March 7, 1983

SUBJECT: Plan Review

A review of Robert Overfield's March 2, 1983 reply to my February 14, 1983 review letter has been completed. Following are my findings:

Water System

1 through 11 - resolved.

Sewer System

12. In accordance with a July 7, 1981 memorandum, "Construction Permit Requirements Update", manholes are required at the intersection of the 4 inch sewer service lines and the 6 inch collection lines. A profile of the three 6 inch collection lines is also needed.

13. It is recommended that the slope of the sewer service lines be put on the detail.

14 through 18 - resolved.

On March 7, 1983, Mr. Overfield was in the Lander office and we went over these comments. He was given a copy of the July 7, 1981 memo for his reference. He agreed to make the necessary revisions and resubmit the plans. No review letter was sent.

FL:dcn

HBC

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Houtz Condominiums

ENGINEER: Robert Overfield
Engineering Associates
P. O. Box 1900
Cody, WY 82414

OWNER: Houtz Construction Co.
1331 16th St.
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 83-63

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 14, 1983

ACTION: Not authorized.

COMMENTS: A review of your application has been completed. Before a permit to construct can be issued the following points need to be resolved.

WATER SYSTEM

1. A water line profile is needed. This requirement can be waived if the engineer will certify on the plans or in the specifications as to the depth of cover and that the line will be placed on a uniform grade (i.e. no high or low spots).
2. The water service line locations need to be shown on the plans.
3. A typical trench detail is needed.
4. A fine hydrant detail is needed.
5. A water service line detail is needed.
6. Has any consideration been given to corrosion protection for the metal pipe?
7. Does the proposed D.I.P. meet the requirements of AWWAC-151? The specs should note this.
8. Does the D.I.P interior coating meet AWWAC-104? The specs should note this.
9. It is required that the outside surface of the D.I.P. and C.I.P. receive a bituminous coal tar base coating approximately 1 mil. thick. The specs don't call for this.

ABC

February 14, 1983

Page Two

10. The specifications don't specifically address the cast iron pipe. They should call for this pipe to be class 250 conforming to AWWAC-110.

11. Joints for D.I.P. should be mechanical joint or "Push-On" joints conforming to AWWAC-116. The interior of the felting should have a cement mortar lining conforming to AWWAC-104 and the outside surface should have a bituminous coal tar base coating approximately 1 mil. thick.

SEWER SYSTEM

12. The sewer service lines need to be shown on the plans.

13. A sewer service line detail is needed. If there are any water line crossings, they need to be addressed.

14. If any of the service lines connect to the manhole, a detail of the connection and manhole flow channel is needed.

15. The separation distance between the water and sewer service lines needs to be shown.

16. The water line crossing needs to be shown on the sewer line profile.

17. A manhole detail is needed.

18. The specifications need to be signed.

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

FL:dcn



Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 16, 1986

SOHIO Petroleum Co.
P.O. Box 30
Casper, WY 82602

To whom it may concern:

Your statewide permit number 83-065, for small wastewater facilities has expired. If you intend to construct such facilities it will be necessary to renew your permit. Construction of facilities without the required permit is a violation of W. S. 35-11-301 (a) (iii).

Sincerely yours,

A handwritten signature in cursive script that reads "Lawrence Robinson".

Lawrence Robinson
Engineering Supervisor

LR/nc

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

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

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

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

AUTHORIZED BY:

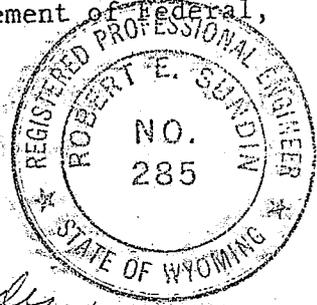


Administrator
Water Quality Division
STATE OF WYOMING





Director
Dept. of Environmental Quality



February 25, 1983
Date of Issuance

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

* CONDITION *

The permittee shall notify the appropriate Department of Environmental Quality/ Water Quality Division office before any system is installed. Upon abandoning the site, the system shall be salvaged and the appropriate Department of Environmental Quality/Water Quality Division office notified.

AJB:dcn

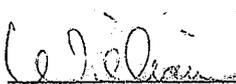
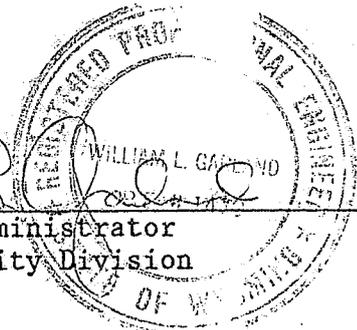
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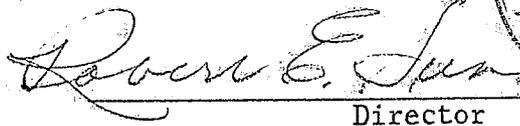
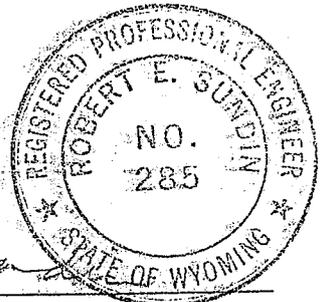
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AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

March 3, 1983

Date of Issuance

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

AJB:dcn

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

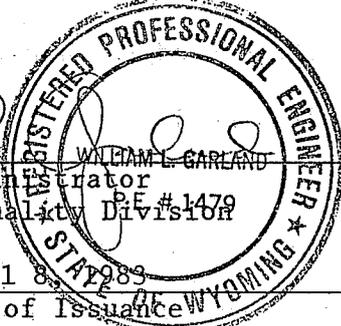
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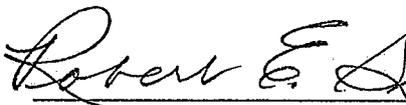
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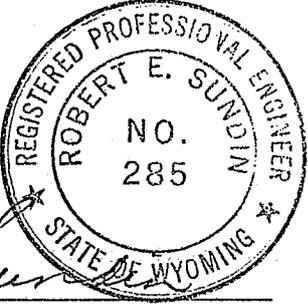
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
PE #1479
April 8, 1989
Date of Issuance




Director
Dept. of Environmental Quality



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

xc: Buell Winter Mousel and Associates
123 W. First St., Suite C70-37
Casper, Wyoming 82601

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Newcastle Elderly Housing Project

ARCHITECT OR ENGINEER: James B. Berg
Dana Larson Roubal & Assoc.
123 W. 1st St., Suite C-70-37
Casper, Wyoming 82601

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-67R

DATE OF REVIEW: March 28, 1983

REVIEWING ENGINEER: Rich Ruyle *RR*

ACTION: Not Authorized

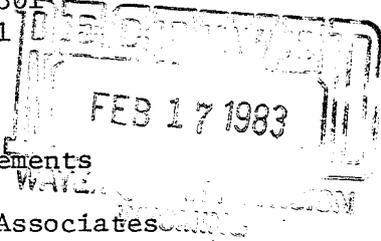
COMMENTS:

The permit will be issued as soon as we receive a letter of approval from the City of Newcastle.

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Newcastle Street Improvements
ARCHITECT OR ENGINEER: Dana Larson Roubal and Associates
123 West 1st Street, Suite 370-37
Casper, Wyoming 82601

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-67

REVIEWING ENGINEER: Rich Ruyle *RR*
DATE OF REVIEW: February 16, 1983

ACTION: Not Authorized

COMMENTS:

1. Copies of the completed application sheets are needed before the project can be approved.
2. The plans must be signed by a P.E. registered in Wyoming.
3. We need a letter from the City of Newcastle stating they have reviewed and approved the plans.

NORMA

RECEIVED
MAY 5 1983

REVIEW OF PLANS AND SPECIFICATIONS

WATER QUALITY DIVISION WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
- WYOMING

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

PROJECT: Jim's Water Service, Inc.
Werner Ranch Site
Production Water Disposal Lagoons

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

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-68R

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: May 3, 1983

ACTION: Not Authorized for Construction

COMMENTS:

Some soils and groundwater information has been submitted. Three specific items are needed, however:

1. The depth to groundwater nearest the surface;
2. The quality of that groundwater;
3. The thickness and nature of soil layers below the proposed lagoons down to that groundwater.

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Jim's Water Service, Inc.
Werner Ranch Site
Production Water Disposal Lagoons

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

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-68

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: March 14, 1983

ACTION: Not Authorized for Construction. See comments.

COMMENTS:

Plans and Specifications

1. Although Construction Standards are referred to at several locations in the specifications, none are provided.
2. No locations for fencing or signing of the lagoons are shown on the plans, as indicated in the specifications.
3. Section 02650 of the specifications - There is no SDR 35 pipe covered by the AWWA C900 Standard. SDR 35 PVC sewer pipe is generally described in ASTM specification D-3034. All SDR's in AWWA C900 are considerably lower (greater wall thickness) than 35.
4. The plans call for butterfly valves, while the specifications describe gate valves.
5. Pages 02950-7 and -8 of the specifications - Is sacrificial cover in lagoon 2 to be of type SM or type ML material?
6. There is a minor discrepancy between the drawings and the specifications regarding Grade of reinforcing steel to be used.

7. An understanding of the specified lining system for the lagoons would be greatly enhanced if it were indicated on the profile drawings.

Inadequacies of the Proposed System

1. The intakes for the outlet pipes in the oil skim ponds must be baffled in some fashion to prevent oil spillage into the evaporation lagoons.
2. The gravity lagoon outlet shown on the plan drawing and Detail Drawing "E" (Load Out Facility), must be removed from the drawings. The Division is aware that the lack of such a facility imposes significant operational and energy handicaps on withdrawal of water from the lagoons to trucks. However, a gravity discharge pipe on the lagoons presents a substantial hazard of illegal discharge due to vandalism or inadvertent operation. This hazard outweighs the handicaps cited, and such a facility shall not be authorized.
3. It should be pointed out that the facility design calculations appear to contain a substantive error. The liner design page, which follows the lagoon sizing design pages, indicates a permeability of 0.0013606 in./day, which is in error by a factor of ten in a nonconservative direction. The correct figure is 0.013606 in./day. All subsequent results on the page retain this error. Please note that this fact does not automatically disqualify the liner design from further consideration. Acceptance of the liner design will still rest on an analysis of the overall groundwater situation (see below).

Groundwater Considerations

1. The geology and general hydrology information is appreciated. Site specific information is required, however. The following information must be supplied:
 - a) Depth to groundwater
 - b) Potentiometric Surface
 - c) Soil types between the lagoon bottoms and groundwater.
 - d) Quality data for the near-surface groundwater.
2. The effects of high TDS and NaCl concentrations on the liner permeability must be addressed.

3. If the above information cannot be supplied, one of the following liner systems must be proposed;
 - a) a synthetic membrane liner, complete with leak detection system; or
 - b) a bentonite enhanced soil liner three (3) feet in thickness, compacted to provide a permeability of 1.0×10^{-7} cm/sec or less.

General

1. Current policies of this Division require that the application be signed by the applicant, unless another signer can demonstrate that he will be responsible that construction will be completed as required by the Plans and Specifications and the Permit.
2. Is a permit being pursued for both schedules A and B? If so, a construction timetable is suggested in order that the permit may be written so as to be valid for an adequate period of time. Ordinarily permits are valid for two (2) years. They cannot be written to extend more than five (5) years.
3. Conditions will probably be attached to the Permit to Construct when it is issued. Below are several areas which such conditions might address;
 - a) presence at the construction site of a qualified soils engineer during all placing, wetting and compaction of the liner material;
 - b) minimum testing requirements for moisture content and percent dry density of the in-place liner;
 - c) permeability testing requirements following construction;
 - d) submission of a report containing all such test results;
 - e) limitations on the source, type and/or quality of fluids to be disposed of in the lagoons;
 - f) requirements that the liners be pre-wetted with water of a certain quality (depending on information supplied in this regard).

The applicant is encouraged to comment or suggest language regarding these or any other conditions which might be attached to the Permit.

xc: Phil Pucel (w/copy of Plans & Specs)

Plans returned
to Sheridan
2-25-83

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 83-68

Date submitted for review 2-16-83

Name and location of facility JIM'S WATER SERVICE
WERNER RANCH SITE
CONVERSE CO. SEC 28 T36N R70W

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

- No comment. The submittal is consistent with current groundwater protection procedures and requirements.
- Comments attached.

Signed: Phil Pucel
Title Eng Evaluator
Date 2-22-83

Review Approved _____
2/23/83
(Date)

Not Approved _____
qjm
(Signed)

Groundwater Control Supervisor

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

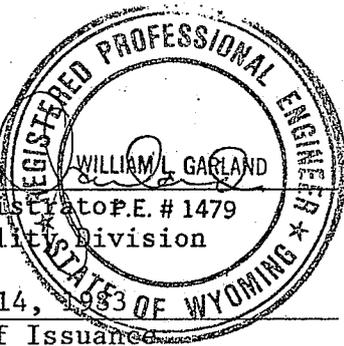
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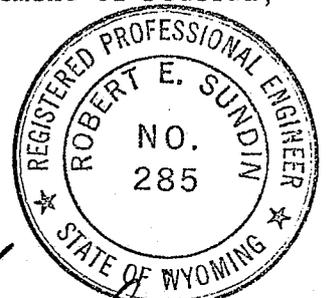
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AUTHORIZED BY:


Administ. to P.E. # 1479
Water Quality Division
June 14, 1983
Date of Issuance




Director
Dept. of Environmental Quality



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

CONDITIONS

1. The permitted facility is intended only for the disposal of wastewater produced with oil and gas production operations. Use of the facility for disposal or storage of any other type of wastewater or waste of any kind is prohibited.
2. Discharge of any wastewater from this facility to any Waters of the State is prohibited.
3. The Water Quality Division reserves the right to impose such future restrictions on the operation of this facility as may be found necessary to protect the quality and current uses of the native groundwater in the area.
4. The two small oil skim ponds preceding the main evaporation ponds shall be flagged, and the flagging shall be maintained, so as to discourage water fowl from landing on them.
5. A qualified, independent construction inspector shall observe the construction at all times when earth work is taking place and shall certify compliance of the construction with the specifications. The inspector shall be experienced in soils classification, and shall have sufficient authority to assure such compliance.

JIM'S WATER SERVICE

Review #83-68

The consultant's approach to the preliminary assessment of hydrogeology and groundwater conditions is fairly adequate. However, information is needed on the following points:

- 1) The depth to groundwater;
- 2) Potentiometric surface map;
- 3) Types of soil between the pond bottom and the water table;
- 4) The effects of high levels of NaCl on the pond liner; and
- 5) Groundwater quality

The information requested above is needed to assess the degree of protection afforded the groundwater by the pond design.

If the applicant does not wish to submit requested groundwater information, he should propose to install either (a) or (b) below:

- (a) A synthetic impervious liner with a leak detection system; and
- (b) A bentonite liner three feet thick and compacted to provide a permeability of 10^{-7} cm/sec.

Since there will be mixing of on-site soils, it is recommended that in-situ permeability tests of the proposed pond liners be conducted in order to assure that the liners meet the design criteria.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-69
SEE SPECIAL CONDITION

Pioneer Water & Sewer District, Phase III
(Name of Facility)

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

Pioneer Water & Sewer District
P.O. Box 1330
Mills, WY 82644

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 83-69. The facility is located in Sections 14, 15, 22, 23, 26, 27, & 35, T34N, R81W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

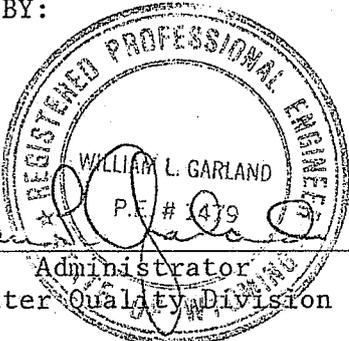
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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AUTHORIZED BY:


William L. Garland

Administrator
Water Quality Division


Robert E. Sundin

Director
Dept. of Environmental Quality

February 25, 1983

Date of Issuance

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

cc: Duane Fehringer
Western Engineers-Architects, Inc.
501 N. Sun Drive
Casper, WY 82609

Condition to Permit to Construct

The applicant shall install additional water valves and fire hydrants to comply with State of Wyoming standards as the Pioneer Water and Sewer District is developed and taps or service lines are connected to the water mains.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-70R

Westgate Hills Mobile Home Park
(Name of Facility)

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

Barnard & Lowham Development Co.

P.O. Box 567

Casper, WY 82602

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 83-70R. The facility is located in Section 28, T34N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

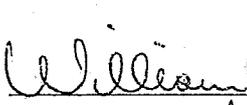
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AUTHORIZED BY:

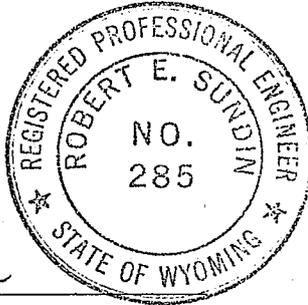


WILLIAM L. GARLAND
Administrator #1479
Water Quality Division
STATE OF WYOMING
March

Date of Issuance



Director
Dept. of Environmental Quality



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

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

3-3-83

Review of Plans and Specifications

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

PROJECT: Westgate Hills, Natrona Co.

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

APPLICANT: Barnard & Lowham Development Co.
P.O. Box 567, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 83-70

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

DATE OF REVIEW: March 1, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. General.

No design information was submitted substantiating that the minimum water pressures could be achieved at the maximum flow. Specific information needed is the maximum design flow (fire plus peak domestic flows), pressure at the 12-inch line, pressure loss calculations at worst conditions, etc.

2. Specifications.

- a. Pg SC-2. It is not the contractor's responsibility to design and specify the casing diameter and wall thickness. These need to be designed to be structural sound and constructable. Please specify.
- b. Pg Sc-4. The water line specified is downrated to meet AWWA C-900 specifications, Appendix A. Therefore the actual pressure class is considerably lower than 200 psi. Please document to show that it will meet your field conditions.
- c. Meter vault detail. The vault must be drained according to Ten State Standards. The meter must also meet AWWA specifications. Isolation valves should also be in the meter pit.



Department of Environmental Quality
Water Quality Division

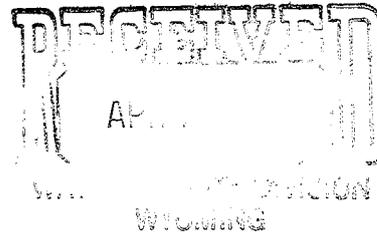
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 25, 1983

Mayor Timothy McHenry
City of Worland
P. O. Box 226
Worland, WY 82401



RE: Worland Municipal Golf Course Sanitary Wastewater Disposal Facility
As-Built Plans, DEQ Ref. No. 83-71R

Dear Mayor McHenry:

The above referenced facility was constructed in violation of Wyoming Statute 35-11-301(a)(iii) despite two letters from this office advising the City to obtain a permit to construct before construction began. We are, however, aware of the recent resignation of the City Engineer and are willing to overlook the unpermitted construction of the subject wastewater disposal facility for this reason.

A review of the "as built" plans of the golf course wastewater disposal facility has been completed and it appears the plans meet minimum design standards for on-site wastewater disposal facilities as defined by this department. A permit to construct cannot be issued since the facility has already been constructed. You should retain this letter as proof of acceptance of the system by this department.

Yours truly,

Francis LaBarge
Northwest District Supervisor

FL:dcn

cc: Don Wolford-Washakie County Planning Office
Nick Wolfrum, P.E.-John W. Donnell & Associates, Inc.
Plans #83-71R

CERTIFIED

Mayor Timothy McHenry
City of Worland
P. O. Box 226
Worland, WY 82401

Dear Mayor McHenry _____ :

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: Worland Municipal Golf Course
 DEQ/WQD Reference Number: 83-71
 Engineering Consultant: None
 DEQ/WQD Review Engineer: Francis LaBarge
 Date of DEQ/WQD Review: February 17, 1983

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 thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other remarks _____

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

Sincerely,

Francis LaBarge

Francis LaBarge, P.E.
 Northwest District Supervisor
 Water Quality Division

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Worland Municipal Golf Course

ENGINEER: None

OWNER: City of Worland
P. O. Box 226
Worland, WY 82401
Attn: Mayor Timothy McHenry

WATER QUALITY DIVISION REFERENCE NUMBER: #83-71

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 17, 1983

ACTION: **Not authorized.**

COMMENTS: Your application has been found to be incomplete and cannot be accepted for review as per Section 4(c) of Chapter III of the Wyoming Water Quality Rules and Regulations (copy enclosed).

The plans must be signed or stamped by an engineer registered in the State of Wyoming to be accepted for review. Your application is being returned to you with this letter. Please have an engineer complete the application, sign it and return it to this office in triplicate.

You must obtain a permit to construct the wastewater facility from this department before construction begins. Failure to do so is a violation of W. S. 35-11-301 (a)(iii). If you have any questions, please call me.

FL:dcn
Enclosures
cc: Don Wolford, Washakie County Planning Office

ABC

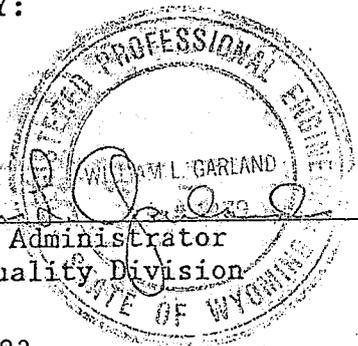
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

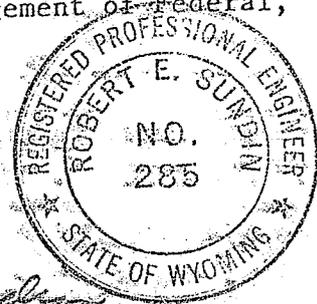
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William L. Garland

Administrator
Water Quality Division


Robert E. Sundin

Director
Dept. of Environmental Quality

March 11, 1983

Date of Issuance

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

FL:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Deroche 5 Plex, D.P.E. #3

ENGINEER: None Selected

OWNER: Stephen P. Deroche
Box 1165
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: #83-72

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: February 22, 1983

ACTION: **Not authorized.**

COMMENTS: Although it would appear that the proposed septic tank - leach bed for D.P.E. #3 meets the minimum design standards, a "Permit to Construct" can't be issued since the plans were not signed by a Wyoming Professional Engineer.

The current DEQ Regulations require that all plans for wastewater treatment facilities, serving more than a single family residence, must have the engineers signature.

Please select an engineer and have him resubmit the plans for authorization.

If you have any questions, please feel free to contact either Francis LaBarge or me.

JCH:dcn

BC

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-73
SEE SPECIAL CONDITION

THE LOBSTER POT WASTEWATER FACILITY
(Name of Facility)

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

Donna and Floyd Tomek
Star Route #1, Box 6
Evanston, WY 82930

to construct, install, or modify a septic tank - leach field system facility according to the procedures and conditions of the application No. 83-73. The facility is located in Section 34, T15N, R120W in the County of Uinta, in the State of Wyoming.

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

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

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

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

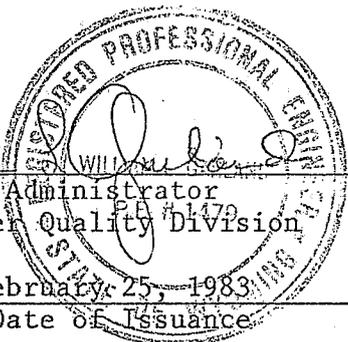
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

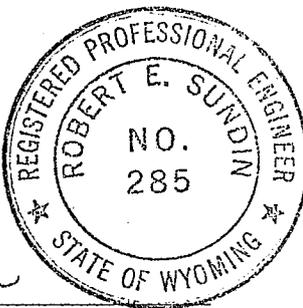
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer, William Cates, No. 11479, State of Wyoming. The seal is stamped over a signature and the text "Administrator Water Quality Division".
William Cates
Administrator
Water Quality Division
February 25, 1983
Date of Issuance

A circular seal for a Registered Professional Engineer, Robert E. Sundin, No. 285, State of Wyoming. The seal is stamped over a signature and the text "Director Dept. of Environmental Quality".
Robert E. Sundin
Director
Dept. of Environmental Quality

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

Condition to Permit to Construct

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

William Cates
Uinta County Sanitarian
P.O. Box 895
Evanston, WY 82930

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

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

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

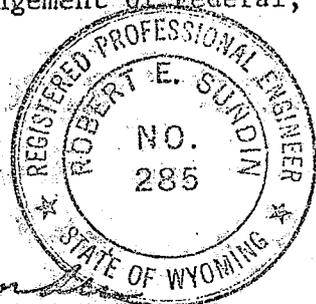
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William H. J. [unclear]

Administrator 1479
Water Quality Division

March 15, 1983
Date of Issuance


Robert E. Sundin

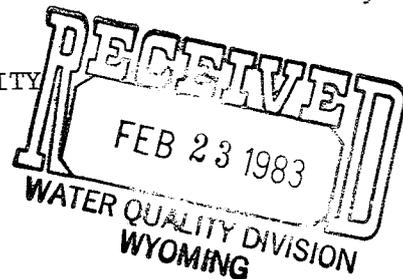
Director
Dept. of Environmental Quality

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

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Buckskin Mine Office Trailer
Wastewater Facility

ARCHITECT OR ENGINEER: John V. Burk
c/o Triton Coal Co.
P.O. Box 3027
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-74

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: February 22, 1983

ACTION: Not Authorized

COMMENTS:

1. We need two copies of your submittal; three copies if you want an authorized copy returned to you.
2. The application needs to be signed by the applicant.
3. The engineer's name and address should be filled in on the application.
4. We need a letter from the contractor hauling the wastewater stating that he is willing to perform this service. We also need a letter from the facility receiving the wastewater stating that they are willing to accept the waste.

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

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

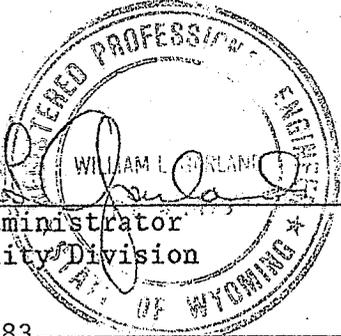
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

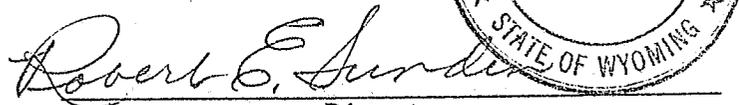
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

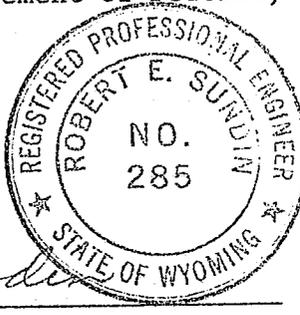


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



February 24, 1983

Date of Issuance

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

FL:dcn

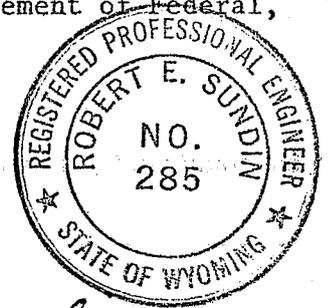
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

AUTHORIZED BY:



William L. Carland

Admin. Director
Water Quality Division
P.E. #1479
July 28, 1983

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 L. CARLAND" and the number "P.E. #1479".

Robert E. Sundin

Director
Dept. of Environmental Quality

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Union Pacific Railroad Co. - Bitter Creek Station

ENGINEER: Union Pacific Railroad Co.
1416 Dodge St.
Omaha, NB 68179

OWNER: Union Pacific Railroad Co.
1416 Dodge St.
Omaha, NB 68179

WATER QUALITY DIVISION REFERENCE NUMBER: #83-76

REVIEWING ENGINEER: Al Berreth *a/k*

DATE OF REVIEW: March 2, 1983

ACTION: Not authorized.

COMMENTS: The following items need to be addressed before a construction permit is issued:

1. It is stated that new units have been added. If this has necessitated additional sewer main, as-builts for that sewer main are required. Should the main not be built to minimum standards, corrections will need to be made.
2. No reference is made to percolation or groundwater depth. These items need to be addressed.
3. The anticipated water usage of 25 gpcd is much less than the usual design value of 100 gpcd. Please justify the use of the lower figure.
4. Please show the water source and its relation to the sewage lagoons.
5. Pond construction specifications are needed.
6. The equalization pipe needs inlet and outlet splash pads.
7. Please address freezing problems in the equalization pipe.
8. Three copies of the final plans and specifications are needed.

AJB:dcn

cc: Cheyenne DEQ/WQD

File (4)

Ac

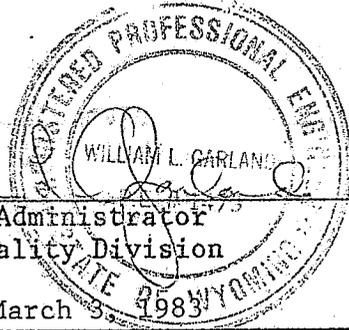
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

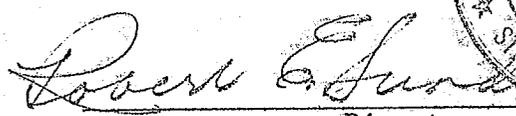
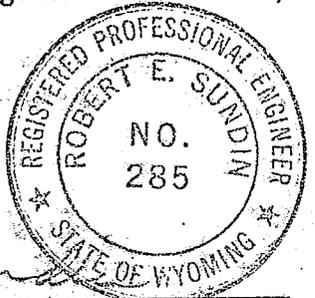
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

Administrator
Water Quality Division
March 9, 1983

Date of Issuance

Director
Dept. of Environmental Quality

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

NORMA



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

February 23, 1983

Kerr-McGee Coal Corporation
Attention: Darryl Maunder
Caller Box 3013
Gillette, Wyoming 82716

RE: Application for Permit to
Construct, Ref. No. 83-77

Dear Darryl:

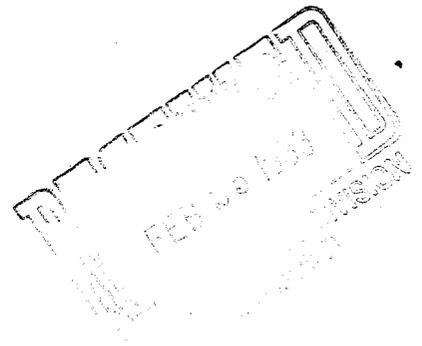
I am returning a drawing supplied by Kerr-McGee with an Application for Permit to Construct for modifying the Silo Wastewater System at the Jacobs Ranch Mine. Before reviewing the application, we must have four copies of the drawing signed by the engineer. I will endeavor to review the plans as quickly as possible once we have the drawings. Thank you.

Yours truly,

Tom Mueller

Tom Mueller
District Engineer

TM:ls
Encl.



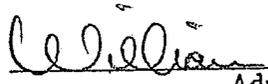
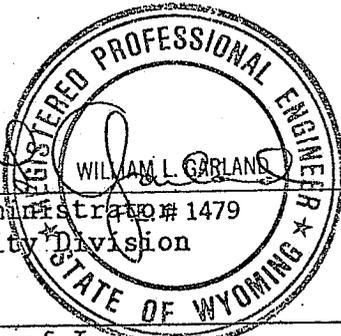
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

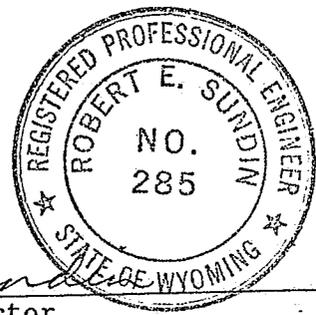
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:



Administrator # 1479
Water Quality Division
March 18, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

FL:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Wyoming State Honor Farm Beef Feedlot

ENGINEER: Jerald Crews
Cardinal Engineering
2334 Rose Lane
Riverton, WY 82501

OWNER: Wyoming Honor Farm
Box 32
Riverton, WY 82501



WATER QUALITY DIVISION REFERENCE NUMBER: 83-78

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 25, 1983

ACTION: Not authorized.

COMMENTS: A review of your application has been completed. Before a permit to construct can be authorized, the following points need to be addressed:

1. A recent policy directive from our Cheyenne office requires that all application forms be signed by the owner/operator of the proposed facility. The engineer cannot sign unless he can document that he is responsible for the construction in compliance with the permit and that he is responsible for all operational conditions which may be imposed. Please have the owner/operator sign the application form or provide the necessary documentation as stated above.
2. Because of the close proximity of the proposed feedlot to Madden Draw, the possibility exists that contaminated runoff from the feedlot could reach the stream in the case of unforeseen events. For this reason, it appears the facility will have to be covered by an NPDES Discharge Permit. Please contact Mr. John Wagner of our discharge permit section in Cheyenne at 777-7082 for further details.
3. The stormwater detention pond was designed to contain the runoff of a 25 year, 24 hour storm from a tributary area of 2.9 acres. Rather than intercept the runoff from this entire area, it is preferred that diversion ditches be constructed to divert uncontaminated runoff around the feedlot area. This would result in much less water flowing through the feedlot and as a result the size of the detention pond could be significantly reduced. It appears a diversion ditch along the northern and eastern sides of the feedlot which would direct the runoff to Madden Draw would accomplish this. The locations and a typical cross-section of the ditches should be shown on the plans.

ABC

Review of Plans and Specifications

Wyoming State Honor Farm Beef Feedlot #83-78

February 25, 1983

Page Two

For the record, my calculations indicate that the proposed detention pond will have only 5 inches of freeboard based upon a tributary area of 2.9 acres and a 25 year, 24 hour storm. The pond should be designed for at least 2 feet of freeboard. This will also allow for some sediment buildup in the pond.

4. The design criteria calls for the side slopes of the detention pond to be at 3:1 but Crosssection B shows the outside slope to be at 2:1. The maximum allowable slope is 3:1. Please revise the crosssection to show this.
5. The feed wagon ramps should be sloped so that any runoff from them will be diverted to the detention pond.
6. It appears that runoff could flow off the southern ends of the feedlot without being diverted into the drainage channel. Provision should be incorporated into the plans to prevent this.

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

FL:dcn

cc: John Wagner - Cheyenne DEQ/WQD

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

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

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

AUTHORIZED BY:

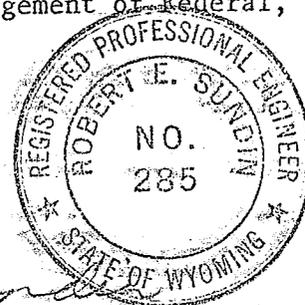
William L. Garland

Administrator 479
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality



March 8, 1983

Date of Issuance

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

JH:dcn

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

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

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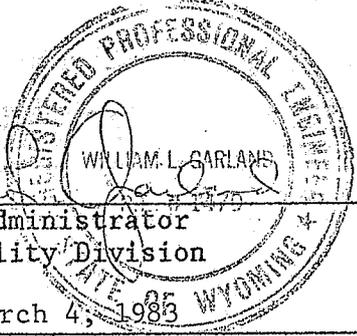
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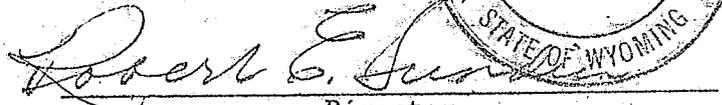
AUTHORIZED BY:



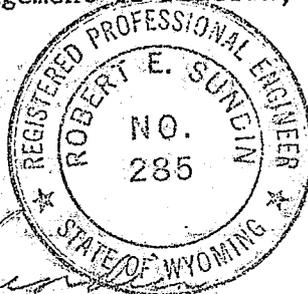
Administrator
Water Quality Division
March 4, 1983

Date of Issuance





Director
Dept. of Environmental Quality



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



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 14, 1983

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

RE: Application for RP-D1, #83-81

Dear Mr. Kamber:

Enclosed you find Black Butte Coal Company's referenced application which is being returned. Because the pond will not hold runoff from disturbed areas, a Water Quality Division construction permit is not required.

It is necessary that I keep two copies of the application for our records.

Please call if you have questions.

Respectfully,

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

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD ✓
Lander DEQ/LQD
File (4)

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

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

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 # 3479
Administrator
Water Quality Division
STATE OF WYOMING
REGISTERED PROFESSIONAL ENGINEER


Director
Dept. of Environmental Quality

March 24, 1983 (Change in ownership 1/28/86)
Date of Issuance

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

* CONDITIONS ON PERMIT *

1. The pond lining must be constructed a minimum of three (3) feet thick and be composed of material having a permeability no greater than 4×10^{-7} cm/sec. Prior to filling with fluid the liner shall be tested in-situ in at least three (3) locations by an independent soils lab. If the liner does not meet the above permeability criteria, it shall be reworked and retested until it meets with the criteria at all sites tested. Test locations and results must be submitted to DEQ/WQD.
2. Waste fluids from each new reserve pit handled shall be analyzed for the complete suite of Chapter VIII parameters. The results shall be reported to the Department of Environmental Quality on a regular basis.
3. A log must be kept with the following information: quantity of each load name and location from where each load originated, the haulers company name, and the date of each load.
4. A DEQ/WQD accepted well monitoring system and program may be required as determined by DEQ/WQD personnel.
5. No hazardous waste as defined by the EPA or State of Wyoming may be placed in the pond.

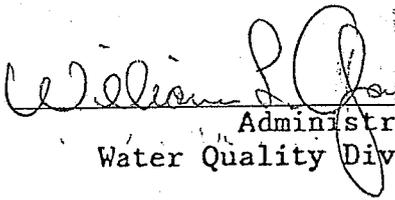
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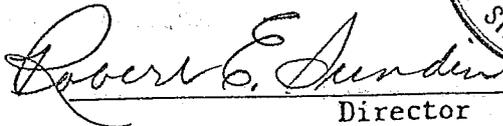
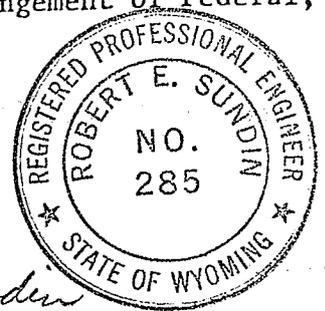
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AUTHORIZED BY:


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

March 24, 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.

* CONDITIONS OF PERMIT *

1. The pond lining must be constructed a minimum of three (3) feet thick and be composed of material having a permeability no greater than 4×10^{-7} cm/sec. Prior to filling with fluid the liner shall be tested in-situ in at least three (3) locations by an independent soils lab. If the liner does not meet the above permeability criteria, it shall be reworked & re-tested until it meets with the criteria at all sites tested. Test locations and results must be submitted to DEQ/WQD.
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4. A DEQ/WQD accepted well monitoring system and program may be required as determined by DEQ/WQD personnel.
5. No hazardous waste as defined by the EPA or State of Wyoming may be placed in this pond.

AJB:dcn

Norma



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tony Mancini, Groundwater Supervisor

FROM: Bill Ewen, Engineering Evaluator *WBE*

DATE: March 28, 1983

SUBJECT: Brown's Reserve Pit; #83-82

1. It appears they will have a 3 foot thick liner of 3.8×10^{-7} cm/sec permeability material which will be adequate considering the local groundwater conditions.
2. State Engineer records show a water well in T17N, R120W, Sec. 6 NW/SW. Information on this well should be supplied.

cc: Al Berreth

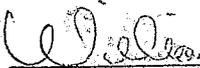
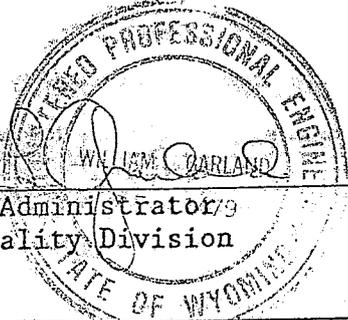
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

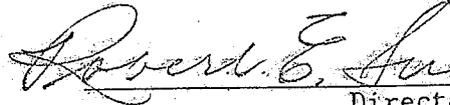
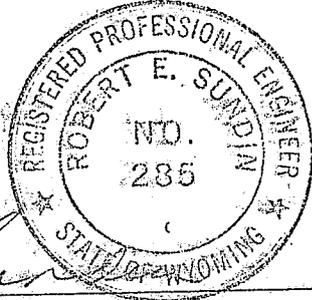
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AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality

March 8, 1983
Date of Issuance

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

JH:dcn

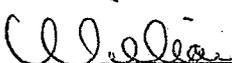
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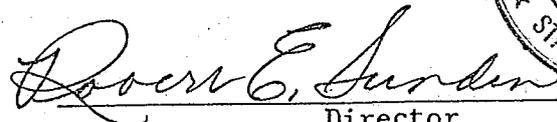
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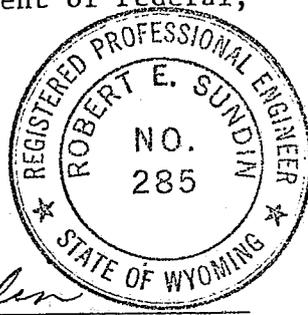
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AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division

ROBERT E. SUNDIN
Director
Dept. of Environmental Quality


March 21, 1983

Date of Issuance

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

CONDITION

The sewer stub-outs shall not be allowed to have service connections until extended at existing line and grade with a terminal manhole.

AJB:dcn



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 21, 1983

William C. Wilson
Lincoln Veterinary Service
Box 128
Diamondville, WY 83116

RE: Conditional Authorization of "As
Built" Wastewater Facility
(Permit Number 83-85)

Dear Mr. Wilson:

This letter is in response to the above referenced application and plans. Conclusions drawn from the plan review are as follows:

1. The system has been operating satisfactorily for the past four years.
2. The disposal field is of substantially greater size than the state's minimum design standards required.
3. The system does not comply with the existing state regulation that: the minimum distance between trenches shall be 6 feet.

Because of item number 3, a conditional authorization of this facility is being issued. The condition of this authorization is that if problems arise with the system, this office must be notified and repairs performed to comply with the existing state regulations.

Please retain this letter as verification that this facility has been conditionally authorized by the Wyoming Department of Environmental Quality.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jack Bedessem".

Jack Bedessem
Water Quality Engineering Evaluator
Southwest District

JB:dcn

cc: Cheyenne DEQ/WQD
Carolyn Nield
File

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

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

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AUTHORIZED BY:


William L. Garland

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


Robert E. Sundin

Director
Dept. of Environmental Quality

July 26, 1983

Date of Issuance

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

FL:dcn

MEMORANDUM

TO PLANS: City of Powell Water Storage and System Improvements
#83-86R

FROM: Francis LaBarge *fl*

DATE: June 14, 1983

SUBJECT: Plan Review

On June 14, 1983, I called the Engineer, Roger Jacobson, and told him I had reviewed his response to my comments which resulted from our March 7, 1983 meeting and that the following points still need to be resolved.

1. Resolved
2. Resolved
3. Load calculations are needed which verify the casing pipe has adequate strength. The railroad crossing detail and the note on the profile call for different size casing pipes. This needs to be corrected. The plans call for an open trench through the railroad crossing. It needs to be confirmed if this can be done.
4. Resolved
5. I have not yet received the City Engineer's signoff on the project.
6. Resolved
7. Resolved

No review letter was sent at Mr. Jacobson's request.

FL:crb

ABC

CERTIFIED

City of Powell
P. O. Box 1008
Powell, WY 82435

Dear Sir _____ :

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: City of Powell Water System Upgrading
 DEQ/WQD Reference Number: 83-86
 Engineering Consultant: Engineering Associates
 DEQ/WQD Review Engineer: Francis LaBarge
 Date of DEQ/WQD Review: March 7, 1983

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 thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other remarks _____

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

Sincerely,

Francis LaBarge

Francis LaBarge, P.E.
 Northwest District Supervisor
 Water Quality Division

cc: Roger Jacobson,
 Engineering Associates

MEMORANDUM

TO PLANS: City of Powell Water Storage and System Improvements, #83-86

FROM: Francis LaBarge *FL*

DATE: March 7, 1983

SUBJECT: Plan Review

On March 7, 1983, I met with Roger Jacobson and Robert Overfield to discuss the above plans. Prior to this meeting, I had conducted a review of the plans in preparation for this meeting.

The meeting began with Mr. Jacobson providing a narrative describing the project background and what is to be accomplished by it. This is not written down anywhere but briefly, it is to provide the electrical controls and pumps for the newly constructed 1 MGD storage tank as well as upgrading of 4 existing pump stations. The project is being funded by local money.

We then went through the design calculations which Mr. Jacobson had brought with him. They appeared to be in order. Because there were so many of them, I asked Mr. Jacobson if, rather than copying them for us, he would be agreeable to furnishing them to us if the need should ever arise. He agreed to this.

As a result of my review and this meeting, it has been determined the following items need to be addressed:

1. The location of the gas mask for the chlorine room needs to be shown on Sheet 11.
2. The Railroad Crossing Casing location needs to be shown on the profiles and plan views on Sheets 17 and 23.
3. A casing detail is needed for the Railroad crossings and the carrier pipe needs to be speced.
4. If any fire hydrants are to be installed on the waterline in Alternative A, they need to be shown on the plans.
5. The City Engineer's signoff is needed on the project.
6. The specifications need to be signed by the engineer.
7. A sewer service line detail is needed.

Mr Jacobson said they will respond to these items. No review letter was sent. They left a signed application form for the project with me.

FL:dcn

ABC

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

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

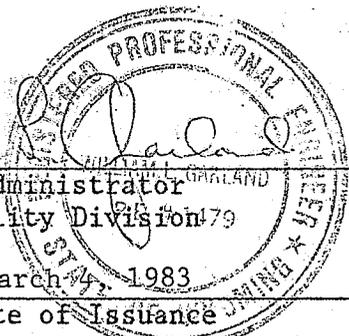
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AUTHORIZED BY:

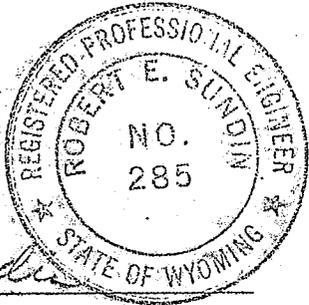


Administrator
Water Quality Division
March 24, 1983
Date of Issuance





Director
Dept. of Environmental Quality



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

xc: R. G. Stuckert & Associates
55 Western Ave.
Buffalo, WY 82834

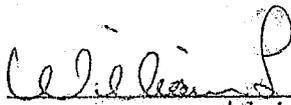
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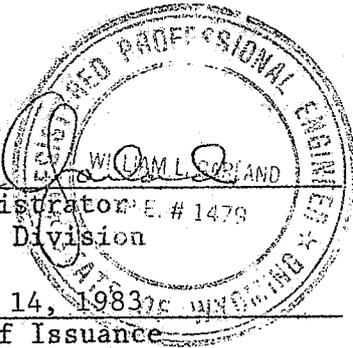
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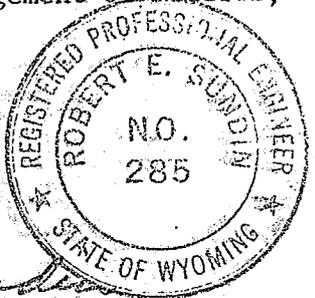
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AUTHORIZED BY:


WILLIAM L. SORLAND
Administrator E. # 1479
Water Quality Division
March 14, 1983
Date of Issuance




ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



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

xc: Timm & Associates
P.O. Box 726
Gillette, WY 82716



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

Plans Withdrawn



Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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83-89

December 22, 1987

S J McLaughlin
Union Pacific Railroad Company
Engineering Department, Room 1000
1416 Dodge Street
Omaha, NE 68179

RE: UPRR Walcott Junction Site

Dear Mr. McLaughlin:

I have reviewed the file on the Union Pacific Railroad Walcott Junction Site and in particular the October 17, 1986 and October 2, 1987 field investigation reports prepared by CH₂M-Hill.

I am in general agreement that CH₂M-Hill has documented that there has not been a significant impact on the quality of the shallow groundwater aquifer due to the evaporation pond. The nutrient data and the geochemical analyses support your conclusion that no further site assessment or remedial activities are required at this site.

It should be noted, however, that the attempt to use statistical methods to demonstrate that the downgradient wells had not been impacted was flawed. For example, the variability in the total dissolved solids (TDS) data was so large that one standard deviation was half of the mean. Therefore, the 95 percent confidence interval represented a range in values from 0 to 47,000 parts per million (ppm) TDS. Using this analysis, an upgradient well with 400 ppm TDS would fall within the same statistical population as a downgradient well with 40,000 ppm TDS. Would it then be the consultants contention that this hypothetical downgradient well had not been impacted?

It is our understanding the UPRR does not plan to continue use of the existing evaporation pond or build a new one in the future. Based on this information, all groundwater monitoring wells should be abandoned in accordance with Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. A plugging record shall be filed with the Water Quality Division within 15 days following abandonment.

S J McLaughlin
December 22, 1987
Page 2

Plugging is required because the four monitoring wells installed by Empire Laboratories were not constructed according to Water Quality Division standards and are not presently suitable as permanent groundwater monitoring points unless they are renovated. Also CH₂M-Hill did not obtain the necessary monitoring well permit prior to installation of the two upgradient monitoring wells. If these wells are to remain in place, "as-built" approval must be received from the Water Quality Division. Steps should be taken to ensure that the required permits are obtained prior to installation of any monitoring wells in the future.

The application package (#83-89) is being returned as you no longer desire to construct a new pond. If you should ever desire to use the existing pond, prior authorization from the Water Quality Division is required.

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

Sincerely,



Thomas R. Williams
Groundwater Engineering Evaluator
Water Quality Division

mad

cc: Jake Strohman
Tom Norman
Frederick Marotte, CH2M-Hill



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 5, 1985

R. D. Markworth
UPRR
1416 Dodge Street
Omaha, NE 68179

Mr. Markworth:

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:	Union Pacific Railroad, Walcott Station
DEQ/WQD Reference Number:	83-89RRR
Engineering Consultant:	R. Markworth, UPRR
DEQ/WQD Reviewing Engineer:	Theodore D. Coyer/Christian G. Norman
Date of DEQ/WQD Review:	October 12, 1984

According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

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,

A handwritten signature in cursive script, appearing to read "Christian G. Norman".

Christian G. Norman
Engineering Evaluator
Water Quality Division

CGN/nc

5-17-85

MEMORANDUM

TO: File

FROM: Phil Pucel *pp*

DATE: May 17, 1985

SUBJECT: Walcott, DEQ/WQD Ref. No. 83-89R, UPRR Sewage Lagoon and Groundwater Contamination

On May 14, 1985 John Wagner and I departed Cheyenne at 11 AM in S1103. We stopped in Walcott to determine the present status of the lagoon and surrounding monitor wells. At the time of our visit, no discharge to the pond was occurring. Two monitor wells were seen to the north and northwest of the lagoon. At monitor well #1, a small mound of soil was placed at the base of the PVC pipe above ground surface. Completion details submitted earlier had indicated that these monitor wells did not have proper surface seals.

Photos were taken of the lagoon, monitor well #1, the creek adjacent to the lagoon, and the garbage pit adjacent to the lagoon.

At a meeting on May 15, 1985, an inquiry was made to Bob Kuhn (UPRR) concerning the present status of the Walcott site. Frank Wees, now retired, had been working on that site. In the meanwhile, there has apparently been no further action. Mr. Kuhn said that he would research the status of this site and report on his findings on the evening of May 16 when we will reconvene at a public meeting in Laramie.

On May 16, Mr. Kuhn did not offer any information on this project. In thirty days, DEQ should review the case and contact UPRR with respect to a determination of the source of the high TDS groundwater.

PP/nc

cc: A. J. Mancini
LeRoy Feusner

10-15-84

Review of Plans and Specifications

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

PROJECT: Walcott Station - UPRR, Carbon Co.

ARCHITECT OR ENGINEER: R. D. Markworth, UPRR
1416 Dodge Street, Omaha, NE 68179

APPLICANT: UPRR, 1416 Dodge Street
Omaha, NE 68179

WATER QUALITY DIVISION REFERENCE NUMBER: 83-89RRR

REVIEWING ENGINEER: *Theodore D. Coyer*
Theodore D. Coyer, P.E. and Phil Pucel

DATE OF REVIEW: October 12, 1984

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Summary

The "Addendum to a Report of a Geotechnical Investigation for Proposed Sewer Lagoon, Walcott, Wyoming" confirms the earlier indications of grossly polluted groundwater at the site. The information gained from 4 boreholes at and near the pond site demonstrates TDS concentrations ranging from 4,430 to 41,710 mg/l with SO4 being the most abundant ion analyzed. The source and extent of this pollution still needs to be investigated as the drilling and sampling program has been extremely limited.

Adequacy of Data

The data presented confirms the gross pollution at the site, but does not define its extent, nor does it completely characterize the composition of the pollution.

Discrepancies in the data require review of the analytical lab sheets and/or resampling. For example, the June 12, 1984 sample from Boring No. 3 is reported as 11,400 SO4, 4,430 TDS, and 4,590 mg/l Total Solids. This lack of balance in the ion concentrations is also seen in the sample results for the lagoon water.

Recommendations

It is recommended that the groundwater investigation be expanded to define the extent of pollution, to characterize the composition of the pollutants, and to gain an understanding of the local hydrogeology. An important aspect of the investigation is the characterization of the quality of groundwater in the area which has not yet been affected but which is in hydraulic connection to the pollutant source. Specific measures for implementation of the investigation are readily available.

Returned
to [unclear]
9/24/84

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 83-89RRR

Date Submitted For Review Aug 9, 1984

Name and Location of Facility Walcott Lagoon
UPRR Co.
Section 27 T21N R84W
Carbon Co.

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

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

Signed P. Pucel

Title _____

Date 9-21-84

Approved 9/21/84
(Date)

AJM
(Signed)
Groundwater Control Supervisor

MEMORANDUM

TO: Ted Coyer
FROM: Phil Pucel *Phil*
DATE: September 21, 1984
SUBJECT: Walcott Lagoon, UPRR, S27, T21N, R84W, Carbon Co.

Summary

The "Addendum to a Report of a Geotechnical Investigation for Proposed Sewer Lagoon, Walcott, Wyoming" confirms the earlier indications of grossly polluted groundwater at the site. The information gained from 4 boreholes at and near the pond site demonstrates TDS concentrations ranging from 4,430 to 41,710 mg/l with S04 being the most abundant ion analyzed. The source and extent of this pollution still needs to be investigated as the drilling and sampling program has been extremely limited.

Adequacy of Data

The data presented confirms the gross pollution at the site, but does not define its extent, nor does it completely characterize the composition of the pollution.

Discrepancies in the data require review of the analytical lab sheets and/or resampling. For example, the June 12, 1984 sample from Boring No. 3 is reported as 11,400 S04; 4,430 TDS; and 4,590 mg/l Total Solids. This lack of balance in the ion concentrations is also seen in the sample results for the lagoon water.

Recommendations

It is recommended that the groundwater investigation be expanded to define the extent of pollution, to characterize the composition of the pollutants, and to gain an understanding of the local hydrogeology. An important aspect of the investigation is the characterization of the quality of groundwater in the area which has not yet been affected but which is in hydraulic connection to the pollutant source. Specific measures for implementation of the investigation are readily available.

12-8-83

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

December 7, 1983

Mr. H. D. Durrant, Chief Engineer
Union Pacific Railroad Company
1416 Dodge Street
Omaha, NE 68179

RE: Proposed Walcott Lagoon, DEQ/WQD Ref. No. 83-89RR

Dear Mr. Durrant:

On December 6, 1983, F.E. Wees, Environmental Engineer for the Union Pacific Railroad, met with LeRoy Feusner, Phil Pucel, Katherine Laudon and Ted Coyer of this office to discuss the Walcott Lagoon project and the geotechnical investigation of the site.

The report of the geotechnical investigation performed by Empire Laboratories Inc. indicated that the groundwater under the proposed lagoon site is grossly contaminated. However, the report did not address the source of the contamination, whether natural or manmade.

We requested of Mr. Wees that the Union Pacific Railroad investigate the source of the contamination and report the findings to us. Mr. Wees said that he would have a report to us within 45 days. This is acceptable to us. We suggested that at least one additional well be installed upgradient from the others to determine background water quality. Also, we suggested that the other wells be completed by properly casing the holes to obtain water samples from the groundwater above or below the sandstone bedrock formation exclusively. If the existing exploratory bore holes are not salvaged, they must be properly abandoned with a cement mixture to prevent surface contamination from reaching the bedrock formation.

Mr. H. D. Durrant, Chief Engineer
December 7, 1983
Page 2

We are withholding any further action on your request for a permit to construct the Walcott lagoon until the report is received from Mr. Wees. If you have any questions about this, please feel free to contact me at 777-7781.

Sincerely,



Theodore D. Coyer, P.E.
Engineering Evaluator

TDC/nc

cc: F. E. Wees, UPRR
Jake Strohman
Tony Mancini
LeRoy Feusner
Phil Pucel
Katherine Laudon

Review of Plans and Specifications

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

PROJECT: Walcott Station - Union Pacific Railroad Co., Carbon Co.

ARCHITECT OR ENGINEER: R. D. Markworth, UPRR
1416 Dodge Street, Omaha, NE 68179

APPLICANT: UPRR, 1416 Dodge St.
Omaha, NE 68179

WATER QUALITY DIVISION REFERENCE NUMBER: 83-89

REVIEWING ENGINEER: *Theodore D. Coyer* P.E. and *Phil Pucel*

DATE OF REVIEW: March 25, 1983.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The existing pond should be upgraded to comply with the rules and regulations.
2. Are septic tanks provided at each residence?
3. What is the permeability of the soil forming the lagoon bottom and sides?
4. Provision should be made to apply the wastewater to either lagoon cell.
5. The transfer pipe should be valved to provide discharge control. Also, we recommend that the pipe be lowered to provide the capability to batch discharge into the second cell.
6. The fence surrounding the lagoon should be designed to deter small children from accessing the facility. We suggest a maximum fence opening of 6 inches by 6 inches.
7. The fence should have an access gate to allow passage of equipment for maintenance.

Groundwater Information Needed

1. Depth to groundwater.
2. Determine groundwater quality based on the parameters of the Water Quality Division's Rules and Regulations, Chapter VIII (copy enclosed).
3. The direction of groundwater flow.
4. An inventory of all wells within 1/4-mile of the lagoon.
5. A copy of soil boring logs which demonstrate the soil types under the site.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-90R

Fosters First Addition
(Name of Facility)

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

Dick Foster

1561 Jackson

Laramie, WY 82070

to construct, install, or modify a 30 lots with municipal water distribution and wastewater collection system facility according to the procedures and conditions of the application No. 83-90R. The facility is located in Block 1, Lots 1-30, Fosters First Addition, Section 32, T16N, R73W in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

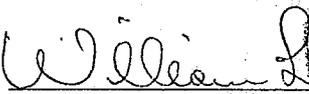
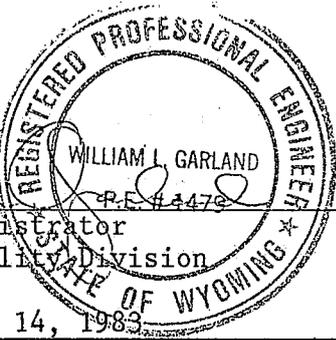
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

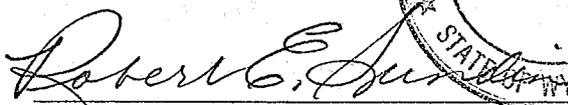
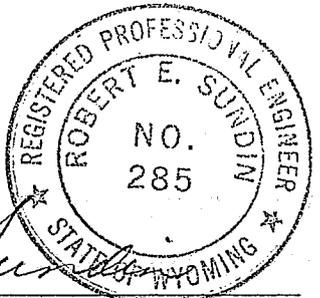
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



WILLIAM L. GARLAND
P.E. #44478
Administrator
Water Quality Division
STATE OF WYOMING
April 14, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Lloyd H. Baker
Gertsch/Baker & Associates
307 Grand Avenue
Laramie, WY 82070

Review of Plans and Specifications

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

PROJECT: Foster's First Addition, Albany Co.

ARCHITECT OR ENGINEER: Lloyd H. Baker, Gertsch/Baker & Assoc.
307 Grand Ave., Laramie, WY 82070

APPLICANT: Dick Foster
1561 Jackson, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 83-90

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

DATE OF REVIEW: March 7, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A letter is needed from the City stating that they have adequate water and sewer services available and that they are willing to service this addition.
2. Three copies of the final plans and specifications are required.
3. A recent in-house memo requires that applications be signed by the owner or his registered representative that is responsible for both the construction and operation of the system. Legal documentation is needed showing that Mr. Baker is a registered representative or the owner should sign the application.
4. No design information was provided for the water system such as tap-on pressures, minimum water pressures at peak hourly flow rates, design flow rates, system head losses, etc.

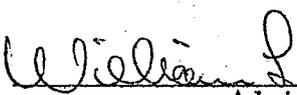
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

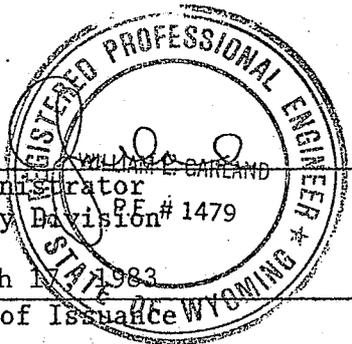
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

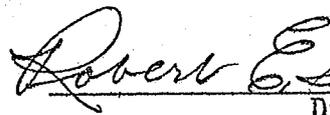
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

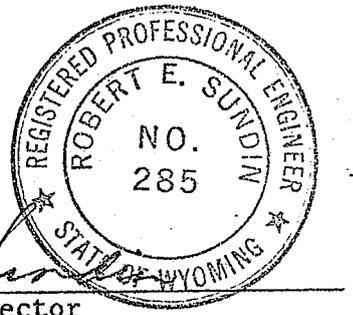
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM E. GARLAND
Administrator
Water Quality Division # 1479
March 1, 1983
Date of Issuance




ROBERT E. SUNDIN
Director
Dept. of Environmental Quality



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

xc: Centennial Engineering
237 North Main, Suite #1
Sheridan, Wyoming 82801

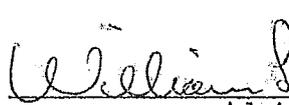
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

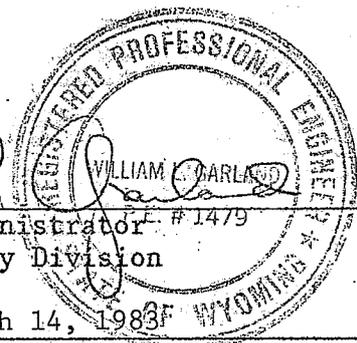
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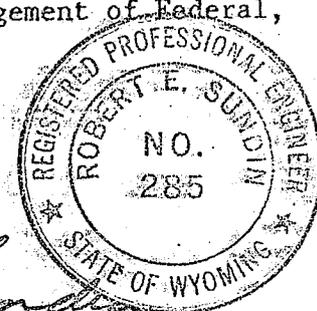
AUTHORIZED BY:



Administrator # 1479
Water Quality Division

March 14, 1983

Date of Issuance



Director
Dept. of Environmental Quality


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

xc: Curtis Betcher
P.O. Box 4416
Gillette, WY 82716

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-93

Primrose & Gardenia Rd.
(Name of Facility)

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

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

to construct, install, or modify a municipal wastewater collection and water distribution facility according to the procedures and conditions of the application No. 83-93. The facility is located in Section 14, T33N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

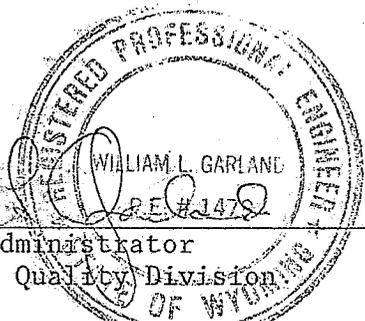
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

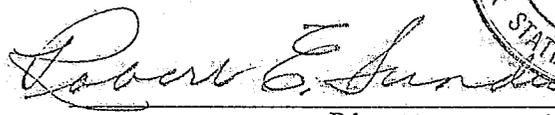
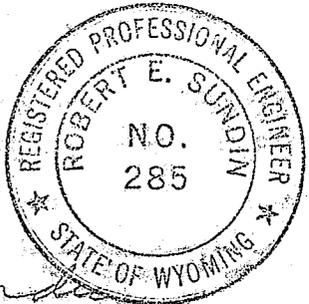
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division
STATE OF WYOMING



Director
Dept. of Environmental Quality

March 8, 1988
Date of Issuance

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

cc: Detmer R. Knapp
Global Engineering
Box 532
Casper, WY 82601

11-18-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-94RRR

LaGrange Well and Pump No. 2
(Name of Facility)

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

Town of LaGrange

P.O. Box 185

LaGrange, WY 82221

to construct, install, or modify a municipal groundwater well and pump facility according to the procedures and conditions of the application No. 83-94RRR. The facility is located in Section 2, T19N, R61W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

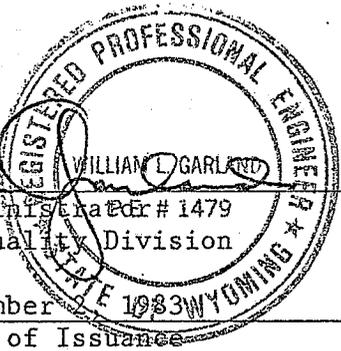
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

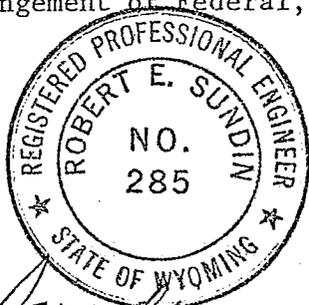
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top, "WILLIAM L. GARLAND" in the center, "NO. 1479" below the name, "Water Quality Division" below the number, and "STATE OF WYOMING" around the bottom. The seal is stamped over a signature of William L. Garland.

William L. Garland
Administrative # 1479
Water Quality Division
November 1983
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top, "ROBERT E. SUNDIN" in the center, "NO. 285" below the name, and "STATE OF WYOMING" around the bottom. The seal is stamped over a signature of Robert E. Sundin.

Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Charles Haas
Wells Engineers, Inc.
1415 11th St.
Gering, NE 69341

7-15-83

Review of Plans and Specifications

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

PROJECT: LaGrange Well & Pump No. 2, Goshen Co.

ARCHITECT OR ENGINEER: Charles A. Haas, Wells Engineering
1415 11th St., Gering, NE 69341

APPLICANT: Town of LaGrange
P.O. Box 185, LaGrange, WY 82221

WATER QUALITY DIVISION REFERENCE NUMBER: 83-94RR

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

DATE OF REVIEW: July 13, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Addendums 1 and 2 were received and acceptable. We are still awaiting the well testing and water quality analysis before authorization for construction will be granted.

cc: Bob Perala, FmHA, Casper

4-8-83

Review of Plans and Specifications

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

PROJECT: LaGrange Well & Pump No. 2., Goshen Co.

ARCHITECT OR ENGINEER: Charles A. Haas, Wells Engineering
1415 11th St., Gering, NE 69341

APPLICANT: Town of LaGrange
P.O. Box 185, LaGrange, WY 82221

WATER QUALITY DIVISION REFERENCE NUMBER: 83-94R

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

DATE OF REVIEW: April 7, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

My initial comments were adequately addressed. Once the well testing and water quality analysis is complete, then DEQ will evaluate that information before final authorization for construction will be granted.

cc: Bob Perala, FmHA, Casper

Review of Plans and Specifications

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

PROJECT: LaGrange Well & Pump No. 2, Goshen Co.

ARCHITECT OR ENGINEER: Charles A. Haas, Wells Engineering
1415 11th St., Gering, NE 69341

APPLICANT: Town of LaGrange
P.O. Box 185, LaGrange, WY 82221

WATER QUALITY DIVISION REFERENCE NUMBER: 83-94

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

DATE OF REVIEW: March 9, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. According to Section 15 of Chapter III of the Water Quality Rules and Regulations, we are hereby granting approval for the applicant to proceed with well construction and development in order to obtain pertinent system design information. The engineer will be required to design the gravel pack and well screen based on the 4-inch test hole information and any information that was obtained from Well #1. Once the gravel pack, well screen, and final pumping test have been completed, then DEQ will evaluate the information you require in section 2.05 and 2.07 of the technical specifications. Based on all this preliminary information, then DEQ could issue a permit to construct to complete the well with an appropriate pump, building, controls, etc. The impact of well #1 must also be evaluated.
2. In reviewing the other portions of the application, I offer the following comments:
 - a. How was the design flow and TDH determined for the pump?
 - b. A chlorination system with controls is required as was required on Well #1.
 - c. Specifications and plans are needed on the well house to comply with Ten State Standards Section 6.2.
 - d. Where will the drain line go to?

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-95

LANDER PUMP STATION RETROFIT
(Name of Facility)

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

City of Lander
183 South Fourth
Lander, WY 82520

to construct, install, or modify a 300 L. F. of 12 mch water main and appurtenances
and a retrofit of existing pump station

_____ facility according to the procedures and conditions of the

application No. 83-95. The facility is located in _____

Sec. 19, T33N, R99W

_____ in the County of Fremont,

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

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

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

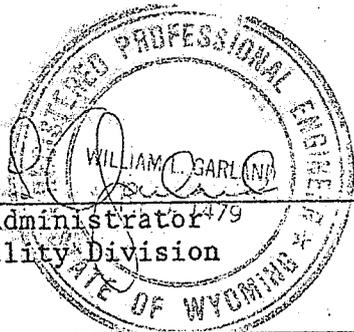
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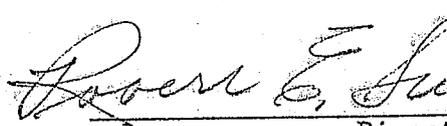
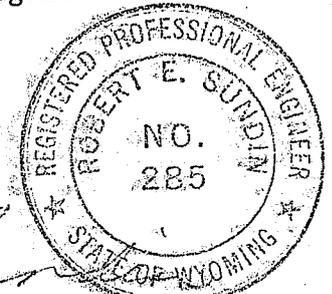
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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



Administrator⁴⁷⁹
Water Quality Division



Director
Dept. of Environmental Quality

March 7, 1983
Date of Issuance

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

FL:dcn

Uinta



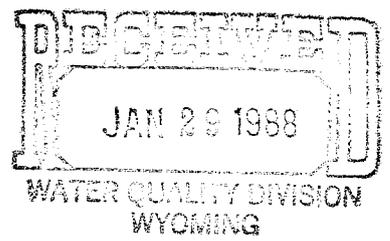
THE STATE OF WYOMING



Department of Environmental Quality

Air Quality Division (307) 332-3144	Land Quality Division (307) 332-3047	Solid Waste Management Program (307) 332-3144	Water Quality Division (307) 332-3144
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January 26, 1988



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

Dear Mr. Walker:

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 this proposed project is:

Facility Name:	<u>Yellow Creek Estates MHP</u>
DEQ/WQD Reference Number:	<u>83-96</u>
Engineering Consultant:	<u>Kenneth Walker</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem</u>
Date of DEQ/WQD Review:	<u>3-25-83</u>

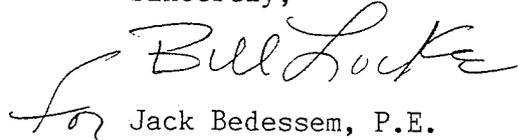
According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

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

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

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

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke". The signature is written in dark ink and is positioned above the typed name.

for Jack Bedessem, P.E.
Southwest District Supervisor

JB/jw



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 28, 1985

CERTIFIED P 399 271 374

Kenneth Walker
Uinta Engineering & Surveying
P.O. Box 746
Evanston, WY 82930

Dear Mr. Walker:

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:	<u>Yellow Creek Estates Mobile Home Park <i>Inc. Co.</i></u> <u>First Addition</u>
DEQ/WQD Reference Number:	<u>83-96</u>
Engineering Consultant:	<u>John Proffit, P.O. Box 746, Evanston, WY</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>2-25-83</u>

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 thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other Remarks: _____

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

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

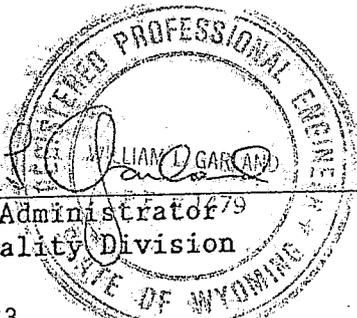
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

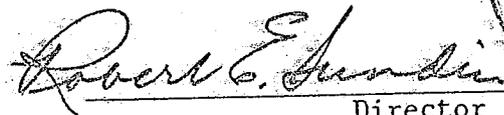
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

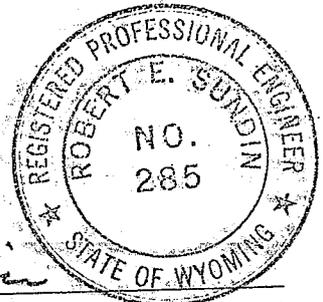


Administrator
Water Quality Division





Director
Dept. of Environmental Quality



March 10, 1983
Date of Issuance

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

* CONDITION OF PERMIT *

This permit is issued with the intent of providing an interim on-site wastewater treatment facility until such time that treatment is available through the City of Cody's wastewater system. The City of Cody's Draft Facility Plan requires that treatment be provided through a regional system. The facility authorized by this permit can be operated until services are available through the approved regional system. At that time, this facility will be abandoned or integrated into the regional system in accordance with the requirements of the Facility Plan.

FL:dcn

MEMORANDUM

TO PLANS: Tidball Septic System #83-97
FROM: Francis LaBarge *FL*
DATE: March 8, 1983
SUBJECT: Plan Review

On March 8, 1983 I conducted a phone review of the above plans with the engineer, Roy Holm. Mr. Holm was informed the following items need to be addressed before a permit can be authorized:

1. The proposed on-site wastewater disposal facility is located within the boundaries of the City of Cody's 201 Facility Planning Area. As a result, we need to know the distance from the proposed facility to the nearest public sewage collection line. If such a line is available within a reasonable distance to the proposed on-site system, a permit to construct the system could be denied and connection would have to be made to the public collection line. If such a line is not reasonably close to the site, a permit to construct the on-site system will be issued with a condition that when a public sewage collection line does become available, the on-site facilities are to be abandoned and connection is to be made to the public collector at that time. In this case, a letter from the owners of the proposed system agreeing to this permit condition is required. A map showing the location of the nearest sewage collection line in relationship to the proposed facility is also required.
2. Verification is needed that the proposed absorption area is not in a driveway or parking area.
3. A cleanout is recommended in the septic tank influent line because of the 90° bend. A cleanout detail is needed.
4. Are there any waterways within 50 feet of the proposed disposal facility?
5. The separation distance between the North and West property lines and the disposal field are needed.

Mr. Holm agreed to supply the required information and revised plans. No review letter was sent.

FL:dcn

AC

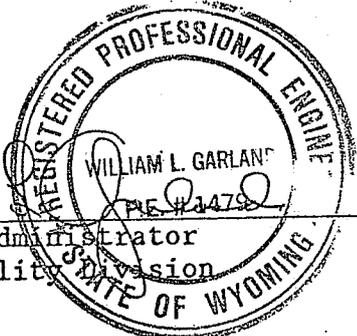
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

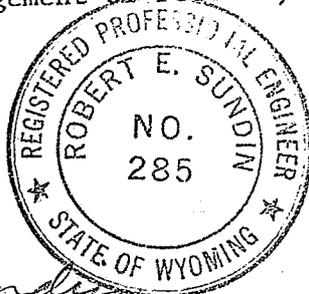
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William L. Garland

Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin

Director
Dept. of Environmental Quality

March 17, 1983

Date of Issuance

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

AJB:dcn

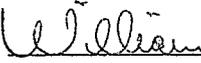
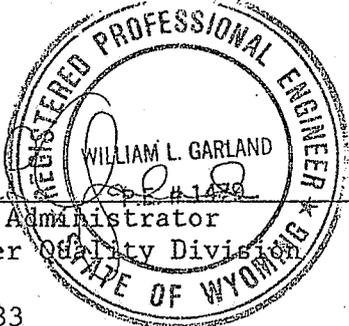
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

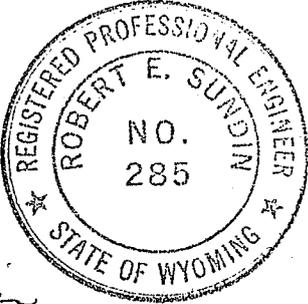
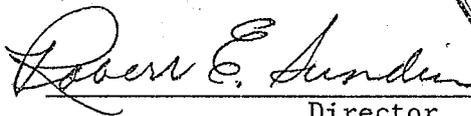
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division
STATE OF WYOMING



Director
Dept. of Environmental Quality

March 28, 1983

Date of Issuance

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

FL:dcn

MEMORANDUM

TO PLANS: McDonalds - Cody, Wyoming, #83-99
FROM: Francis LaBarge *FL*
DATE: March 8, 1983
SUBJECT: Plan Review

On March 8, 1983, I conducted a phone review of the above plans with the engineer, Robert Overfield. Mr. Overfield was informed that the following points need to be addressed:

1. The required letter from the City of Cody has not yet been received.
2. A typical sewer service line detail with the slope shown is needed.
3. A description or detail is needed of the water and sewer service line crossing.
4. The service line from the grease trap to the sewer service line needs to be detailed.
5. A specification is needed for the grease trap.

Mr. Overfield agreed to submit the required information and revised plans. No review letter was sent.

FL:dcn