

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 15, 1981

Mr. Trulon V. Walker
Star Route, Box 1A
Lyman, WY 82936

Re: Wastewater Facility Application
DEQ #81-101

Dear Mr. Walker:

It has been over sixty days since you were sent a letter (copy enclosed) stating the plans, as submitted, could not be accepted for review. As of this date we have not received any revised plans.

Please inform this office, in writing, of the status of this project. If you intend to abandon it, your application will be withdrawn on the basis of your written reply. If you intend to build the facility, when can we expect the necessary plans?

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb
Enclosure

cc: Cheyenne DEQ/WQD
Ken Walker, Uinta Engineering & Surveying, Inc.



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 15, 1981

Mr. Trulon V. Walker
Star Route, Box 1A
Lyman, WY 82937

Re: Wastewater Facility Application
DEQ #81-101

Dear Mr. Walker:

It has been over thirty days since you were sent a letter (copy enclosed) stating the plans, as submitted, could not be accepted for review. As of this date we have not received any revised plans.

Please inform this office, in writing, of the status of this project. If you intend to abandon it, your application will be withdrawn on the basis of your written reply. If you intend to build the facility, when can we expect the necessary plans?

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Enclosure

cc: Cheyenne DEQ/WQD

Ken Walker, Uinta Engineering & Surveying, Inc.

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 6, 1981

Trulon V. Walker
Star Route, Box 1A
Lyman, WY 82937

Re: Wastewater Facility Application
DEQ Ref. NO 81-101

Dear Mr. Walker:

The above referenced application cannot be accepted for review. Two trailers connected to one septic tank-leach field is considered a large wastewater facility and the plans must be stamped by an engineer registered in the State of Wyoming.

Please resubmit as two separate applications. When it has been determined the plans meet minimum design standards, a "Permit to Construct" will be issued for each facility. If you or your engineer have any questions, please give me a call.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb
Enclosure
cc: Cheyenne DEQ/WQD

T & L Trailer Spaces	<i>Ken Walker</i>	81-101
Brinton Subdivision		
Sec. 30, T. 16N, R. 114W		
(Uinta County)		
2/27/81	Received 1 copy of small waste forms.	
81-101	3/6/81	Plans returned to XXXXXX owner, no engineer.
81-101	4/15/81	Sent status letter. F.L.
81-101	5/15/81	Sent status letter. F.L.
81-101	6/17/81	WITHDRAW APPLICATION

We have no letter

*From London
1/23/86*

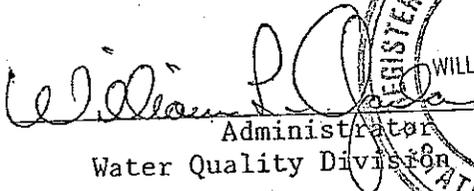
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

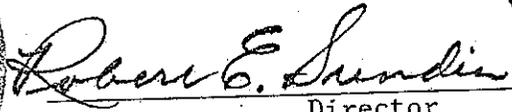
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 L. GARLAND
#1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division


ROBERT E. SUNDIN
Director
Dept. of Environmental Quality

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

July 27, 1981
Date of Issuance

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

xc: Kanti Patel
Box 2743
Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: High View Mobile Home Park
Campbell County

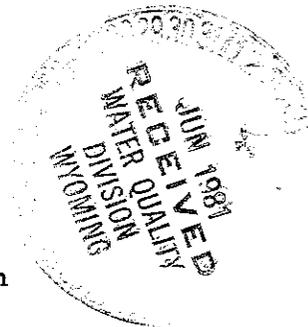
ARCHITECT OR ENGINEER: Kanti Patel, P.E.
Box 2743
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-102R

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

DATE OF REVIEW: June 3, 1981

ACTION: Not Authorized for Construction



COMMENTS:

1. Letter of the Campbell County Engineer's office indicates that, although the county principally does not object to installation of the proposed on-site system, they still request your comments regarding plan of operation and maintenance for the system to ensure its reliability because of the system's size and location. Please address.
2. Soil boring test was received by this office; however, information on the highest groundwater table or impervious layer were still not provided.
3. Even though sewage dosing with siphons is planned to be used, detail drawing and design information for the siphon system have not been furnished. Plan should include the following as a minimum:
 - (1) Dosing tank capacity
 - (2) Minimum operating heads for dosing siphon
 - (3) Frequency of dosing
 - (4) Numbers of siphon (i.e., two siphons dosing alternately and each serving one-half of the leach field).
 - (5) Profile showing the elevations of the septic tank, dosing tank, siphon inlet and outlet, leach field lines, along with maximum and minimum water level at dosing tank.
 - (6) Design calculations

*Use of reference "Manual of Septic Tank Practice, U.S. Dept. of Commerce" is recommended.

*Are a prefabricated siphon and dosing tank considered to be used? If so, manufacturer's information including above-mentioned items should be furnished.

4. It is still not clear how the seepage from the leach field will be kept from intruding into the adjacent lots. Some lots are located within less than 30 feet from the ends of perforated pipes.
5. Need to fence the leach field sites is for discouraging access of any unauthorized vehicles or persons, thereby avoiding any unnecessary damages to the system. Please show the typical fence drawing.
6. Inlet and outlet for the septic tank should be schedule 40 PVC pipe or cast iron pipe.
7. Typical drawing of the leach field indicates that interconnecting pipes are not laid in trenches. Why is that?
8. What is the minimum distance between water riser and sewer riser?
9. Deflection test should be done for PVC sewer pipe with a mandrel. Maximum allowable deflection is 5% of the pipe diameter.

Public Water Supply System

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

NOTE: Due to the number of comments, this is not considered a final review.

xc: Bill Flaherty
Campbell County Engineer

Chapman

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: High View Mobile Home Park
Campbell County

ARCHITECT OR ENGINEER: Kanti Patel, P.E.
Box 2743
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 81-102

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

DATE OF REVIEW: April 8, 1981

ACTION: Not Authorized for Construction

COMMENTS:

1. Because the proposed project involves a construction of a large-scale, on-site sewage disposal system on a large residential mobile home park (96 units) this office needs a verification indicating that this proposal is not in conflict with County Land Use Plan.
2. How and where will the septage be disposed of ultimately? How often is the septage removal to be conducted? If the sewage plant of the City of Gillette is to be ultimate disposal site, a letter of approval from the City is needed indicating that the City agrees to receive and treat the septage from the mobile home park.
3. Performance of the on-site sewage disposal system of this scale depends largely on accurate soil characteristic data. The following items should be further addressed:
 - a. How many hours had the soil been allowed to swell with water before the final percolation rate was measured? It should be noted that the soil must be given ample opportunity to swell and to approach the condition it would be in during the wettest season of the year. Please discuss.
 - b. Soil boring test should be conducted to identify the highest ground-water table and impervious layer. Type of soil structure should also be identified by this test. (Soil type described in submitted site information as sandy soil is not complete. Its compositions such as coarse sand, fine sand, sandy loam, sandy clay, etc., should be identified.

- c. Only two percolation rates (test #7: 6.61 min/inch, test #8: 12.28 min/inch) were used to determine the size of Field - 1. Since the rates vary considerably, the use of 6.93 min/inch has not been justified. More percolation tests should be taken for Field - 1.
4. Domestic sewage flows are highly fluctuating throughout the day and its hydrograph shape is known to follow a distinct diurnal pattern. What measure is to be taken to minimize the fluctuation of the inflow to the leach field? Where the flow exceeds 2000 gpd, sewage dosing with pumps or siphons is strongly recommended. Please discuss.
5. What provisions are to be made to exclude surface runoff from the leach field site?
6. Parallel leach field lines should be interconnected.
7. All interior surfaces of concrete septic tank shall be coated with a bitumastic or equivalent compound for corrosion protection.
8. How far are the leach fields separated from the property line? What about from the closest drinking well and the water line? Is there any likelihood that seepage from the leach field could intrude into the adjacent lots? Is a protection measure such as clay barrier not needed?
9. Will the leach field area be adequately fenced in? Show the details.
10. Details of splitter box and the M.H. 8 are needed. Design of these structures must demonstrate that the flow is to be equally divided on a continuous basis (during peak flow rate and minimum rate as well) and side stream from other manholes are not to be interrupted.
11. What material is used for inlets and outlets for the septic tank?
12. How many lots are to be served by the lines with cleanouts (4A and 6B)? Do you not foresee any maintenance problems? Cleanouts may be used at the end of short laterals when conditions are such that the lines cannot be extended. However, it appears that the area where the cleanouts are provided do not have such limitation. Please justify.
13. Drawings of water and sewer risers should be detailed enough to show the following:
 - a. The riser pipe shall be protected by concrete apron at ground surface.
 - b. The riser pipe shall terminate at least four inches above natural ground.
 - c. The water riser should be located a minimum of five feet horizontally from sewer riser.
 - d. Type of valve used for water riser.
14. Profile drawings between C.O. 4A - M.H. 4 and C.O. 6B - M.H. 6A should be provided.

Public Water Supply System

1. A contour map covering the mobile home park is needed.
2. Details of well construction are needed, including:
 - a. Material of drop pipe material and thickness of the well casing, grouting specifications.
 - b. Sanitary capping details, distance between natural ground level and the upper terminal of the well.
 - c. Sustained well production rate.
 - d. Well pump design.
 - e. How will the well pump be protected from low water level?
 - f. How is the water surge to be controlled? Will the operation of pressurized chlorine system not be affected by the excessive surge caused by well pump?
 - g. Details of pitless adapter.
 - h. Well disinfection specification.
 - i. Chemical and bacteriological data.
3. Booster pump design calculation should include computation of head loss, H.P. minimum and maximum pressure anticipated, etc.
4. What will be done in case the continuous running booster pump #1 is to be out of service? Is the fire pump automatically taking over or should it be done manually? What about valve operation during the fire emergency?
5. Material specification for PVC water main specified ASTM D2241, SDR18, 150 psi pipe. This should be corrected to AWWA C900 SDR18, 150 psi pipe.
6. AWWA has recently issued a new standard for factory-coated bolted steel tank (AWWA D103-80). Does "Parkersberg" bolted steel tank conform to AWWA standards? Additionally, more information for erection, coating, and foundation should be provided.
7. Deflection test should be done for PVC sewer pipe with a mandrel. Maximum allowable deflection is 5% of the pipe diameter.

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

xc: Bill Flaherty
Campbell County Engineer

1-10-84

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 10, 1984

Charles E. Hubbell
Lincoln Homes, Inc.
P.O. Box 3141
Casper, WY 82601

RE: Lincoln Homes, Permit to Construct Application #81-103

Dear Mr. Hubbell:

Pix Howell, Brooks Water & Sewer District, was contacted on January 9, 1984 concerning the status of the Lincoln Home Townhouses located in Rivers West Estates Subdivision. He stated that the townhouses were already constructed and in compliance with the district's standards. Therefore, your application package is being returned and withdrawn from our files.

Sincerely,

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

Thomas S. Norman
Environmental Engineer

TSN/nc

cc: Tom McDill
The Engineers
6405 Indian Scout
Casper, WY 82604

Review of Plans and Specifications

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

PROJECT: Lincoln Homes, Inc.

WATER QUALITY DIVISION REFERENCE NUMBER: 81-103
NOV DOCKET #843-81

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

DATE OF REVIEW: March 18, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application form must be submitted. One is enclosed.
2. The Wyoming Regulations require a Wyoming registered engineer to sign the plans.
3. A letter from the respective utilities supplying water and sewer services must be submitted stating that adequate capacity is available to service these additional units.
4. Another cleanout or manhole needs to be installed on the sewer line for Building 'A'. This should be installed on one end of the sewer line collecting the four-3inch service lines. The manhole in the street does not provide access for cleaning because of the 45° bend.

The 4" collector sewer for Building 'B' also lacks easy access for cleaning. Although not required, the owner should consider the installation of a clean-out for this service line.

#7



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 23, 1981

Charles E. Hubbell, President
Lincoln Homes, Inc.
P.O. Box 3141
2018 East 2nd. Street
Casper, Wyoming 82601

RE: Lincoln Homes Permit to Construct, Natrona County

Dear Mr. Hubbell:

Enclosed are the review comments on the water and sewer construction for the Rivers West Villas.

It appears that one of the major deficiencies of the Radix Wastewater Treatment Plant is that the wastewater effluent cannot meet the discharge requirements for bacteria. Until an adequate disinfection system is installed, DEQ will not allow any additional sewer connections to the treatment plant.

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

Sincerely yours,

Thomas S. Norman

T. S. Norman
Environmental Engineer

TSN/ad

cc: Tom McDill, The Engineers

LEB

PERMIT TO CONSTRUCT

Permit No. 81-104

- New
- Renewal
- Modified

Max Alley Shop
(Name of Facility)

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

Alley, Max

962 Adams

Douglas, Wyoming 82633

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-104. The facility is located in Section 5, T32N, R71W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

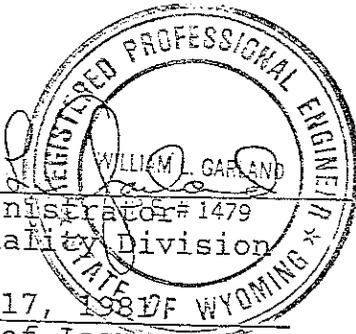
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

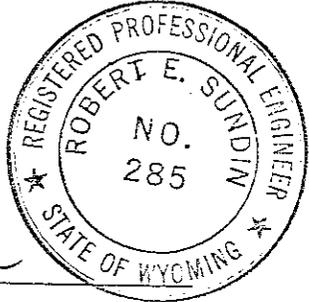
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William J. Garland
Administrator # 1479
Water Quality Division
March 17, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: John A. Lambert
P. O. Box 34
Douglas, Wyoming 82633

LEB

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-105

Menter Sand and Gravel
(Name of Facility)

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

Menter Sand and Gravel

P. O. Box 1051

Douglas, Wyoming 82633

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-105. The facility is located in Section 33, T33N, R71W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

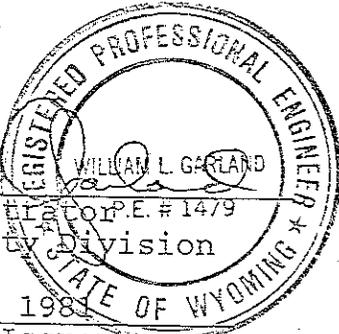
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

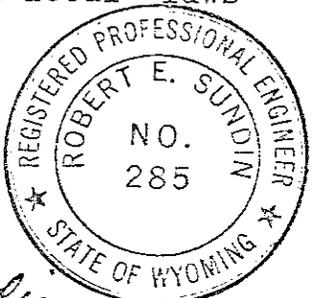
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator P.E. #1479
Water Quality Division
March 17, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: John A. Lambert
P. O. Box 34
Douglas, Wyoming 82633

2+1

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-106

Oakcrest Water Booster Station Improvements
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82602

to construct, install, or modify a public water distribution system facility according to the procedures and conditions of the application No. 81-106. The facility is located in Section 16, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

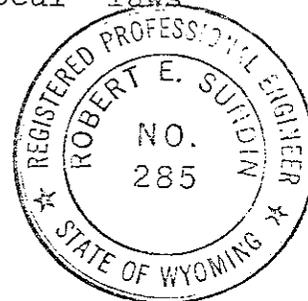
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

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

AUTHORIZED BY:



William L. Garland

Administrator
Water Quality Division
STATE OF WYOMING

Robert E. Suidman

Director
Dept. of Environmental Quality

March 9, 1981
Date of Issuance

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

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

LEJ

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-107

SEE SPECIAL CONDITIONS

Eccles Construction
(Name of Facility)

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

J.B. Eccles

5700 West Yellowstone

Casper, Wyoming 82601

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-107. 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.

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

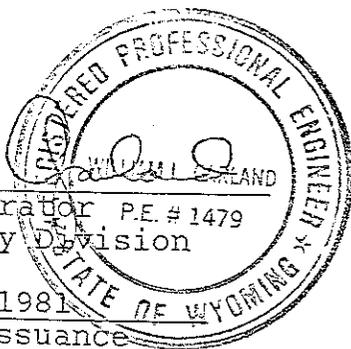
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

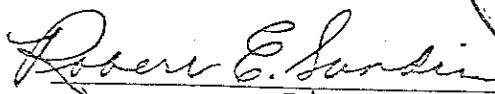
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

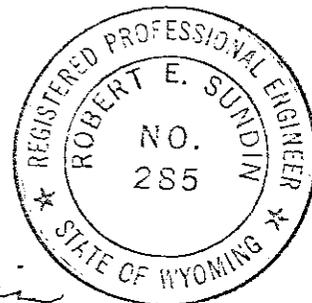


Administrator P.E. # 1479
Water Quality Division





Director
Dept. of Environmental Quality



March 17, 1981
Date of Issuance

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

cc: Gray C. Wangelin
P. O. Box 4075
Casper, Wyoming 82604

CONDITIONS TO PERMIT TO CONSTRUCT

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

MEMORANDUM

TO: Norma Coulson

FROM: Bill Locke *BL*

SUBJECT: Lincoln Heights 5th Subdivision, WQD Reference No. 81-108

DATED: May 14, 1986

I received the attached letter from Uinta Engineering in response to a status request for project WQD No. 81-108. This project showed up on our computer print-out but we don't have any plans for it in the Lander office. Would you therefore, please remove WQD No. 81-108 from the computer list and classify it as p.u.n. 83-321R?

I will not be sending out a form letter stamped by Bill Garland because there are no plans to return.

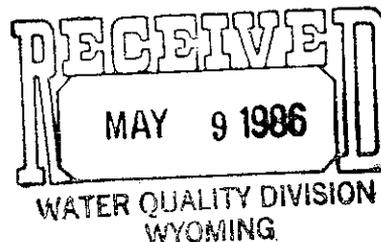
BL/jw
Attachment

File: Lincoln Co. Gen. File

UINTA ENGINEERING & SURVEYING, INC.

JOHN A. PROFFIT & CLOEY C. WALL
808 MAIN ST. - EVANSTON, WYO. 82930
P.O. BOX 746
(307) 789-3602

May 8, 1986



Wyoming Department of
Environmental Quality
Water Quality Division
210 Lincoln
Lander, WY 82520

ATTN: Bill Locke

RE: Lincoln Heights 5th Subdivision
DEQ Ref. #81-108

Dear Mr. Locke:

In reference to your letter of February 12, 1986 concerning the status of this project; your office issued a permit #83-321R on July 15, 1983.

If you need additional information, please contact us.

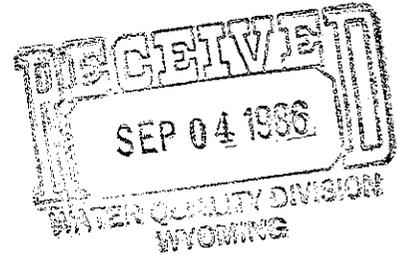
Sincerely,

A handwritten signature in cursive script, appearing to read "Kenneth Walker".

Kenneth Walker, P.E.

KW/pjk

MEMORANDUM



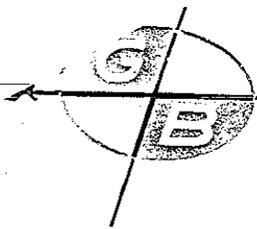
TO: Norma Coulson
FROM: Jack Bedessem *JB*
SUBJECT: Kemmerer Mobile Home Park Application for
"Permit to Construct" 81-109
DATED: September 3, 1986

In a search of our files we discovered the above referenced application. A review of the correspondence indicated that the application should have been cancelled as per a letter dated June 16, 1981.

The facility does not exist as confirmed by a telecon with Nick Bettas (P & M Coal Mining Co.) on August 8, 1986. The Kemmerer Coal Company (applicant) and Western Design Consultants (engineer) are no longer in business. The application was therefore cancelled and plans discarded (trashed).

JB/jw

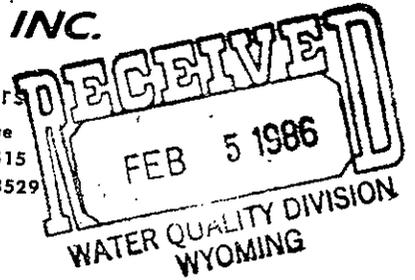
cc: P & M Coal Co. File
Lincoln Co. General File
Chrono
Running Record



GREAT BASIN ENGINEERING, INC.

Consulting Engineers and Land Surveyors
P.O. Box 9307
Ogden, Utah
Zip Code 84409

3505 Grant Avenue
Ogden (801) 394-4515
Salt Lake (801) 521-8529



January 31, 1986

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

ATTENTION: Bill Locke, P.E. Water Quality Engineer

Dear Bill:

RE: KEMMERER MOBILE HOME PARK AND LINCOLN HEIGHTS FIFTH ADDITION

After reviewing the two letters dated January 29, 1986, I find the following:

1. Kemmerer Mobile Home Park

81-109

This application was apparently submitted by Western Design in 1981, for International Housing and Land Development. Nothing happened on this Development from 1981 through 1985. In the summer of 1985, we prepared a revised sketch of this same area for a new Developer, Lincoln Heights Development. These new plans were submitted to the City for Review, but nothing else was done. To our knowledge, the project has been postponed or abandoned.

2. Lincoln Heights Fifth Addition

81-108

This application was apparently submitted by Western Design in 1981, for International Housing and Land Development. The engineering was later taken over by Uinta Engineering for the First Filing (Phase I). It was recorded, constructed, and the houses are all completed on it. We had nothing to do with this Subdivision. I assume Uinta Engineering made a separate application and received approval from D.E.Q.

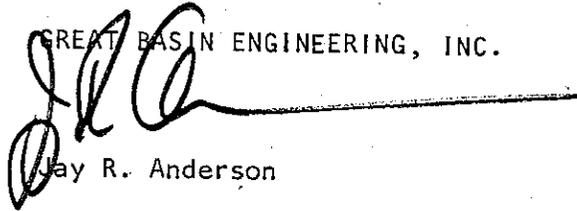
Attached find a map of this area of Kemmerer with the Mobile Home Park and Subdivision highlighted.

January 31, 1986

If you have any questions or need additional information, please call.

Sincerely,

GREAT BASIN ENGINEERING, INC.

A handwritten signature in black ink, appearing to read "JRA", is written over a horizontal line. The signature is stylized and cursive.

Jay R. Anderson

JRA/ss

Encls. (a/s)

cc: Dell Loy Hansen, Lincoln Heights Development

P.S. Your form letter, Page 2, is very intimidating; especially when we had nothing to do with these applications?



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 29, 1986

Jay Anderson
Great Basin Engineering
P. O. Box 9307
Ogden, UT 84409

RE: Legal Description: Tract 52, 53, 54, T21N, R116W, Lincoln Co., Wyoming

Dear Mr. Anderson:

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>Kemmerer Mobil Home Park</u>
DEQ/WQD Reference Number:	<u>81-109</u>
Engineering Consultant:	<u>N/A</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>12-31-81</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: _____

Page Two

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,



Bill Locke, P.E.
Water Quality Engineer

BL/jw



Department of Environmental Quality
Water Quality Division

RECEIVED

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 29, 1986

JAN 31 1986

Jay Anderson
Great Basin Engineering
P. O. Box 9307
Ogden, UT 84409

RE: Legal Description: NW $\frac{1}{4}$, Tract 50, T21N, R116W, Lincoln County, Wyoming

Dear Mr. Anderson:

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>Lincoln Heights 5th Subdivision</u>
DEQ/WQD Reference Number:	<u>81-108</u>
Engineering Consultant:	<u>N/A</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>12-31-81</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.

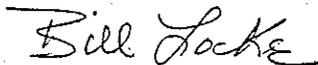
_____ The application will be resubmitted within thirty (30) days.

_____ 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,



Bill Locke, P.E.
Water Quality Engineer

BL/jw



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 12, 1986

Ken Walker
Uinta Engineering
P.O. Box 746
Evanston, WY 82930

RE: Legal Description: NW $\frac{1}{4}$, Tract 50, T21N, R116W, Lincoln Co., Wyoming

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>Lincoln Heights 5th Subdivision</u>
DEQ/WQD Reference Number:	<u>81-108</u>
Engineering Consultant:	<u>N/A</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>12-31-81</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.

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_____ Other Remarks: _____

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

Sincerely,

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

Bill Locke, P.E.
Water Quality Engineer

BL/jw



Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 29, 1986

Jay Anderson
Great Basin Engineering
P. O. Box 9307
Ogden, UT 84409

RE: Legal Description: NW $\frac{1}{4}$, Tract 50, T21N, R116W, Lincoln County, Wyoming

Dear Mr. Anderson:

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>Lincoln Heights 5th Subdivision</u>
DEQ/WQD Reference Number:	<u>81-108</u>
Engineering Consultant:	<u>N/A</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>12-31-81</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."

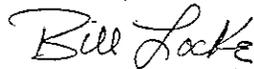
Please indicate below the status of this project and return this form to our office.

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- Other Remarks: _____

Page Two

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Sincerely,

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

Bill Locke, P.E.
Water Quality Engineer

BL/jw



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 9, 1986

George E. Patience
Western Design Consultants
350 W. 2700 S.
Salt Lake City, UT 84115

Dear Mr. Patience:

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

Facility Name:	<u>Lincoln Heights 5th Subdivision</u>
DEQ/WQD Reference Number:	<u>81-108</u>
Engineering Consultant:	<u>George E. Patience</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>12-31-81</u>

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.
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- Other Remarks: _____

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Sincerely,

Bill Locke, P.E.
Water Quality Engineer

BL/jw

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 31, 1981

Mr. George E. Patience
Western Design Consultants
350 West 2700 South
Salt Lake City, Utah 84115

Re: Large Wastewater Treatment Facility # 81-108

Dear Mr. Patience:

Please update us on the status of the above referenced project.
If the work is not to be done, the project can be withdrawn
and your plans returned.

Respectfully,

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

Albert J. Berreth
Southwest District Engineer

AB:d1
cc. File (4)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Lincoln Heights 5th Subdivision

ENGINEER: Western Design Consultants ATTN: Dean B. Mortensen
350 West 2700 South
Salt Lake City, UT 84115

OWNER: Unknown

WATER QUALITY DIVISION REFERENCE NUMBER: 81-108

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: March 12, 1981

ACTION: Not authorized.

COMMENTS:

The drawings for the proposed subdivision have been received and are being reviewed as an application. Please note the following items are required to complete the review and issue a "Permit to Construct":

- 1) Please fill out and submit the application form.
- 2) An engineer registered in the State of Wyoming must stamp the drawings.
- 3) Normally, three copies of the plans and specifications are required. However, the City of Kemmerer wishes an approved set, therefore in this case we need four (4) sets of plans and specifications.
- 4) Blow-offs are required at the ends of all dead-end water mains.
- 5) Complete calculations need to be supplied which support water and sewer main sizes and slopes. A Hardy-Cross analysis is required on the water system.
- 6) "Ten-States Standards" apply. If fire protection is to be provided, 20psi must be maintained at fire flow (1,000gpm) plus peak demand.
- 7) Please number manholes and include rim elevations.
- 8) Please show waterline profile.

Review of Plans and Specifications
Lincoln Heights 5th Subdivision
Date of Review - March 12, 1981
Page Two

- 9) Waterlines need more complete looping.
- 10) Show thrust blocking on drawings.
- 11) Please review a copy of the "Wyoming Public Works Standard Specifications."
- 12) A profile of the force main is needed.
- 13) The calculations supporting the size of lift station pumps with appropriate pump curves must be supplied.
- 14) What is the depth to seasonal high ground water? Will it affect the overflow tanks?
- 15) Are the overflow tanks water tight?
- 16) Will inflow strike the turn-off switch and cause interference with its operation?
- 17) Can the pumps pass a 3-inch sphere?
- 18) Shut-off valve should be located outside the lift station and the check valve must be located on the horizontal.
- 19) The pit must be supplied with a ventilating fan or adequate warning signs must be present informing the operators that entry into the lift station without ventilation is extremely dangerous.
- 20) Is there a provision for flow measurement? Are running time meters supplied for each pump?
- 21) Is an alarm light to be provided? It is necessary in addition to the horn and both need an independent power source.
- 22) What is the design velocity in the force main?
- 23) Please show detail of the tie-in of the force main into the existing manhole.
- 24) The cleanout is set so as to clean in one direction. Which direction? Why not both?
- 25) Water/sewer separation must be called out on the plans.

AB:nb

cc: Cheyenne DEQ/WQD

James D. White, City Engineer, Kemmerer, WY

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

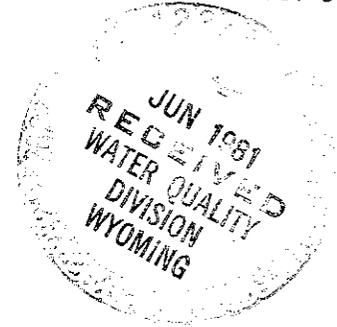
Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 1, 1981



Western Design Consultants
350 West 2700 South
Salt Lake City, UT 84115

Attn: Dean B. Mortensen

Re: Lincoln Heights 5th Subdivision, 81-108
and Kemmerer Mobile Home Park, 81-109

Dear Mr. Mortensen:

Plans were received for the above referenced subdivisions on February 26, 1981. A review letter was sent in mid-March and since that time a reply to that review has not been received. What is the status of this project? If you no longer intend to construct, please send us a letter withdrawing your applications and your plans will be returned. If you plan to construct, please write or call and let me know when I can expect an answer to the review.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AJB:nb

cc: Cheyenne DEQ/WQD - Norma
Fred Lande

Page Two

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

Sincerely,

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

Bill Locke, P.E.
Water Quality Engineer

BL/jw

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 9, 1986

George E. Patience
Western Design Consultants
350 W. 2700 S.
Salt Lake City, UT 84115

Dear Mr. Patience:

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

Facility Name:	<u>Kemmerer Mobil Home Park</u>
DEQ/WQD Reference Number:	<u>81-109</u>
Engineering Consultant:	<u>George E. Patience</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>12-31-81</u>

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,



Bill Locke, P.E.
Water Quality Engineer

BL/jw

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 31, 1981

Mr. George Patience
Western Design Consultants
350 West 2700 South
Salt Lake City, Utah 84115

Re: Large Wastewater Facility # 81-109

Dear Mr. Patience:

Please update us on the status of the above referenced project.
If the work is not to be done, the project can be withdrawn
and your plans returned.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AB:d1
cc. File (4)

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Kemmerer Mobile Home Park

ENGINEER: Western Design Consultants ATTN: Dean B. Mortensen
350 West 2700 South
Salt Lake City, UT 84115

OWNER: Unknown

WATER QUALITY DIVISION REFERENCE NUMBER: 81-109

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: March 13, 1981

ACTION: Not authorized.

COMMENTS:

The plans for the above-referenced project have been received and are being reviewed as an application. Please note the following items are required to complete the review and issue a "Permit to Construct":

- 1) Please fill out and submit the application form.
- 2) An engineer registered in the State of Wyoming must stamp the drawings.
- 3) Normally, three copies of the plans and specifications are required. However, the City of Kemmerer wishes an approved set, therefore in this case we need four (4) sets of plans and specifications.
- 4) Calculations are required which justify water and sewer main sizes. This includes a Hardy-Cross analysis.
- 5) Thrust blocking needs to be shown. See "Wyoming Public Works Standard Specifications" for details.
- 6) Blow-offs are required at all dead-end water mains.
- 7) Water and sewer service risers must be provided for each lot, per "Wyoming Water Quality Rules and Regulations", Chapter III. A copy is included for your information.

Review of Plans and Specifications
Kemmerer Mobile Home Park
Date of Review - March 13, 1981
Page Two

- 8) Please include a profile of the water mains.
- 9) What are the slopes on the sanitary sewer from Station 10+62.21 to Station 6+14.77?
- 10) Please number the manholes and include rim elevations.
- 11) No more than twenty homes can be without water during line breakage. More looping and valves are required.
- 12) "Ten-States Standards" apply. If fire protection is to be provided, 20psi must be maintained at fire flow (1,000gpm) plus peak demand.
- 13) Water/sewer separation distances must be called out on the plans.

AJB:nb

cc: Cheyenne DEQ/WQD

James D. White, City Engineer, Kemmerer, WY



Rocky Mountain Engineering & Surveying, Inc.
1149 Main Street
P.O. Box 805
Evanston, Wyoming 82930
(307) 789-9751

April 21, 1981

Mr. Francis LaBarge
Water Quality Engineer
Southwest District
Wyoming Dept. of Environmental Quality
933 Main St.
Lander, WY 82520

Re: Daniel Construction Co. Mancamp
Section 31, T.20N., R.116 W.,
Lincoln County, Wyoming

Dear Frank:

Further work on the proposed Daniel Construction Co. Mancamp has been suspended. Therefore, we wish to withdraw our Application for Permit to Construct.

If you have any questions, please contact me.

Sincerely,

James D. Golding
James D. Golding, Engineer

4/23/81 Plans returned to engineer.

jj



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Daniel Construction Company Man Camp at Chevron Sulphur Loading Facilities

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

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

WATER QUALITY DIVISION REFERENCE NUMBER: 81-110

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

DATE OF REVIEW: March 16, 1981

ACTION: Not authorized.

COMMENTS:

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

General Comments

- 1) Please provide a narrative on what will be done with this facility after the sulphur loading terminal has been constructed. How will the area be reclaimed?

Water System

- 2) The letter of approval from Kemmerer, referenced in the Engineering report, has not yet been received.
- 3) A chemical and bacteriological test must be run on the water source and the results submitted to this office.
- 4) Has the EPA been contacted concerning this water system?
- 5) Who will haul the water? What will be the hauling schedule? Details are needed of the water loading station dispensing unit.
- 6) Details of a typical water riser are needed.

... /2

A, B, C

- 7) All water lines should be installed with sufficient earth or other suitable cover to prevent freezing or breakage due to superimposed loads or earth movement.
- 8) More details are needed on the water storage tank. Refer to Section 2.7 of Chapter III of the Wyoming Water Quality Rules & Regulations for what is needed.
- 9) Details are needed of the water tank field connect, and the field connect.
- 10) Details are needed of the pump, connecting piping, and valves.
- 11) There are no provisions shown on the plans for chlorinating the water. How will it be maintained bacteriologically safe in this system?

Sewer System

- 12) All laterals off the main eight (8) inch line should be six (6) inches for the 20-man dorms.
- 13) Cleanouts should be installed at the end of all six (6) inch laterals less than 150 feet long, for the 20-man dorms. If they are longer than 150 ft., a manhole is required.
- 14) Profiles of the laterals are requested.
- 15) Details of a typical sewer riser is requested.
- 16) Details of a typical cleanout is requested.
- 17) A drop of 0.1 ft. should be provided through the manholes, in particular, any which have a change of direction through them.
- 18) It is requested that all sewer lines be buried at least five (5) feet deep. There are two (2) reasons for this. First is earth load considerations, and secondly, although it is intended to use the 20-man dorms only during warm weather, if the situation were to occur where they would be used in cold weather, there shouldn't be any freezing problems.
- 19) The size of the line from MH6 to MH8 into Lagoon 1 is not shown on the profile. It should be. The size of the line should also be shown on the influent line profile on the lagoon detail sheet.
- 20) There should be a ten (10) foot minimum separation between potable water lines and sewer lines, measured horizontally. This is not shown on the plans.

- 21) Water and sewer risers should be located a minimum of five (5) feet, horizontally, apart. This is not shown on the plans.

Lagoons

- 22) The Soil Conservation Service (SCS) descriptions referenced in the Engineering report were not attached. Please provide these reports.
- 23) At least one soil boring, a minimum of 25 feet deep in depth or into bedrock, whichever is shallower, should be made and a soil profile submitted as part of the application.
- 24) Complete dike construction specifications are required. Section 601 of the Wyoming Public Works Standards was not intended to apply to this situation.
- 25) Is the proposed man-camp and lagoon in a flood plain?
- 26) The minimum top dike width is eight (8) feet. This is not shown on the plans.
- 27) What is the slope of the outer dike walls?
- 28) My calculations show that at approximately 115 days three (3) feet of water in the lagoons will be used up. This does not allow for any safety factor. I am requesting the lagoons ~~be~~ be deepened one (1) foot. This will allow a safety factor of 1.33 by my calculations.
- 29) Complete details are needed on how ^{the} on-pond seal will be constructed and tested. Refer to Section 104.22 of Chapter 100 of the "Ten States Standards" for what is required.
- 30) All piping material in the lagoons should be specified on the plans.
- 31) It is suggested that a line be run from MH8 to Lagoon 2. In this way, if a problem should occur in Lagoon 1 it could be isolated.
- 32) Influent lines should be located along the pond bottom so that the top of the pipe is just below the average elevation of the pond seal; however, the pipe should have adequate seal below it. The influent line shown on the plans is unacceptable.
- 33) If either Lagoon should have to be emptied, how would this be done?
- 34) The highwater overflow line between Lagoon 1 and 2 should enter the transfer structure at the same elevation as the low water take off pipe.

Review of Plans and Specifications
Daniel Construction Co. Man Camp at Chevron Sulphur Loading Facilities
Date of Review - March 16, 1981
Page Four

- 35) The pipe connecting Lagoons 1 and 2 should terminate at least ten (10) feet from the toe of the dike in Lagoon 2.
- 36) Pond level gauges should be provided.
- 37) Provisions should be made for prefilling the lagoons before they are put into use and included in the special provisions.
- 38) Complete details are needed of how the area will be reclaimed when the project is completed.

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

ADDITIONAL COMMENT:

If any dewatering is to take place during construction, a permit to discharge is needed. Enclosed is an application form, - fill it out and mail it as instructed with a copy to this office.

FL/nb

Enclosure

PERMIT TO CONSTRUCT

New

Permit No. 81-111R

Renewal

Modified

Foothills Trailer Park Annex

(Name of Facility)

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

Tim Kovach

1416 Third West Avenue

Kemmerer, WY 83101

to construct, install, or modify a _____

water distribution and sewer collection system

for 112 mobile homes

facility according to the procedures and conditions of the application

No. 81-111R. The facility is located in _____

Sec. 13, T. 21N, R. 116W

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

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

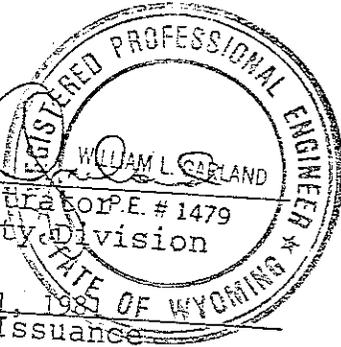
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

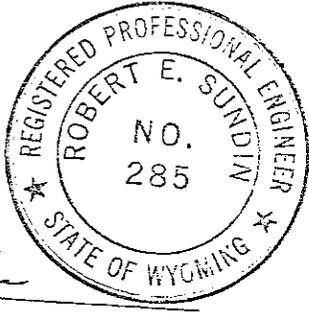
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


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


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL/nb

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-112

COTTONWOOD MOBILE HOME PARK EXTENSION, CITY OF WRIGHT
(Name of Facility)

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

Housing Services, Inc. c/o Frank Novak

P.O. Box 5300

Denver, Colorado 80217

to construct, install, or modify a water distribution and
sewage collection

facility according to the procedures and conditions of the application

No. 81-112. The facility is located in _____

Sections 27, 28, 33 and 34

T.44N., R.72W.

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

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

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

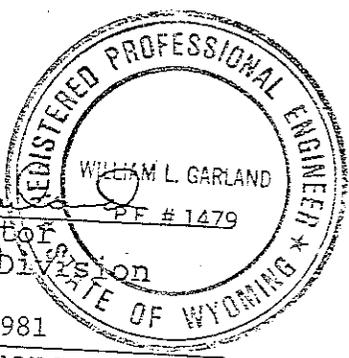
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

ning 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.

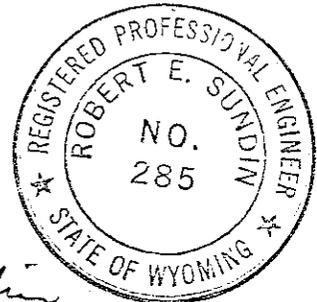
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality



March 17, 1981
Date of Issuance

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



THE STATE OF WYOMING

SI-113

EJ

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 7, 1981

Certified

Frank J. Trelease, P.E.
Wright Water Engineers, Inc.
2420 Alcott Street
Denver, CO 80211

RE: Winchester Hills Subdivision - Laramie County, Wyoming

Dear Mr. Trelease:

The application submitted to this office by Winchester Hills Associates requesting modification of construction permit number 744RRRR has been reviewed.

Although, based upon the information you provided, the potable water supply would be adequate to serve the additional 37 lots that had been deleted previously, we cannot grant the modification request because the sewage disposal system is inadequate.

Based on my mass balance computations, using average evaporation and precipitation records and a design flow based on 100 gallons per person per day and 3.5 persons per home, about 6.5 acres of lagoon water surface area are required to maintain the sewage treatment system without a discharge. Although the system was designed to provide 2.3 acres of water surface at the high water level, only 1.2 acres has been built. This is far short of the needed lagoon area. Furthermore, my computations are based on average precipitation and evaporation data and do not reflect conditions during a wet year.

I suggest that your client contact this office so that a meeting can be arranged to discuss this matter. My telephone number is 777-7094.

Very truly yours,

Theodore D. Coyer
Theodore D. Coyer, P.E.
Environmental Engineer

TDC/pjb

cc: Raymond L. Woods, Winchester Hills Associates

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-114

Red Butte Village Water Improvements
(Name of Facility)

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

Red Butte Village Improvement Association

5018 Alcova Route, Box 11

Casper, WY 82601

to construct, install, or modify a public water distribution system facility according to the procedures and conditions of the application No. 81-114. The facility is located in Section 22, 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.

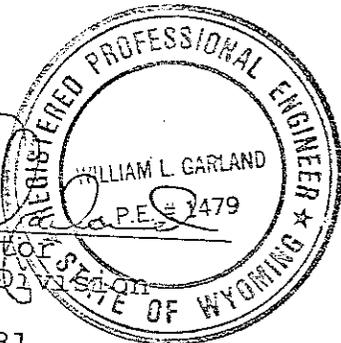
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

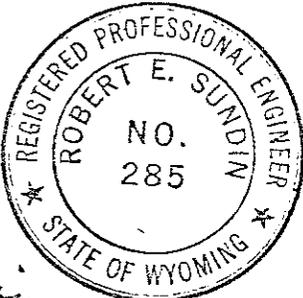
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Dept. of Environmental Quality

March 12, 1981
Date of Issuance

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

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

286

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-115

Cheyenne Station Apartments
(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, Wyoming 82001

to construct, install, or modify a water main and sanitary sewer facility according to the procedures and conditions of the application No. 81-115. The facility is located in Section 35, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

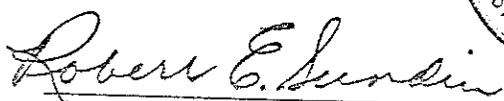
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

Administrator
Water Quality Division

March 17, 1981
Date of Issuance


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

Director
Dept. of Environmental Quality

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

cc: BRW/Noblitt, Inc.
1912 Capital Avenue
Suite 300
Cheyenne, Wyoming 82001

Lef
M 5-1-81

Review of Plans and Specifications

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

PROJECT: Rocky Mountain Gun Club

ARCHITECT OR ENGINEER: Gray C. Wangelin, EITS
145 South Durbin Street, Suite 204A, Casper,
WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-116R

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

DATE OF REVIEW: May 1, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The 10 gallon per person useage rate is too low for this type of facility. Typical values from similar facilities taken from Manual of Septic Tank Practice are as follows:

- Campground with central comfort stations 35 gpd/person
- Campground with flush toilets, no showers 25 gpd/person
- Day camps with no meals 15 gpd/person

Obviously with 4 showers available, the users are expected to stay more than half a day.

2. Septic systems must be designed for maximum usage. When is the 100 person load occurs once a year, the system must be sized for this. If the Springfield is not sized for this peak load, the sewage will back-up in the facility or flow on top of the ground.

3. Why would a dosing chamber be subject to more floating than a septic tank? They are usually placed side by side. Also dosing chambers are easily drained especially if siphons are used.

PERMIT TO CONSTRUCT

Permit No. 81-116RR

Revised

Modified

Rocky Mountain Gun Club
(Name of Facility)

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

Irl Benson, President

Rocky Mountain Gun Club

P. O. Box 1386

Casper, WY 82601

to construct, install, or modify a commercial subsurface disposal waste treatment facility according to the procedures and conditions of the application No. 81-116RR. The facility is located in NE 1/4, Section 11, T34N, R78W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

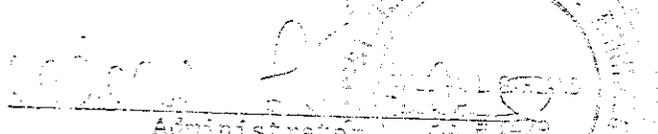
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

This permit is issued in accordance with the Department of Environmental Quality's Water Quality Construction Permitting Program. The day construction commences and shall be an integral part of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Office, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2101 Coffey Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone, 688-2157.

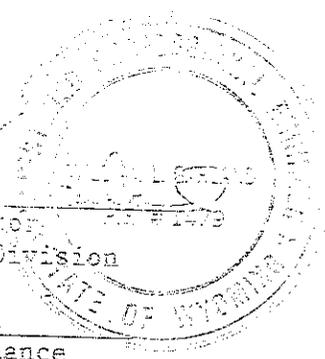
Nothing in this permit shall be construed to preclude the institution of any legislation or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

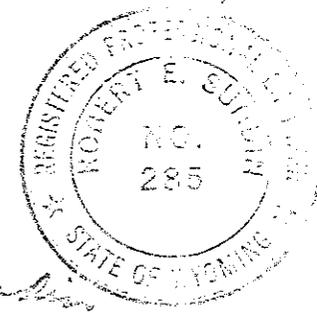


Administrator
Water Quality Division
June 1, 1981
Date of Issuance





Director
Dept. of Environmental Quality



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

cc: Gray C. Wangelin
E.I.T.S.
P. O. Box 4075
Casper, WY 82601

Felix Flechas
Safe Drinking Water Section, EPA, Denver

LEB

Review of Plans and Specifications

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

PROJECT: Rocky Mountain Gun Club

ARCHITECT OR ENGINEER: Gray C. Wangelin
Engineering Inspection Testing Service

WATER QUALITY DIVISION REFERENCE NUMBER: 81-116

REVIEWING ENGINEER: T. S. Norman TSN

DATE OF REVIEW: March 18, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Please submit additional information explaining the type of wastewater sources (kitchen, showers, trailer spaces, sanitary, bars), number of wastewater sources, and subsequent wastewater flows. The '10 gpd per user' estimate is quite low for this type of facility.
2. If the design flow volume changes significantly, the septic tank size will need to be adjusted.
3. Dosing chambers are highly recommended when sewer flows exceed 2000 gpd- especially with the type of disposal field proposed.
4. If kitchen wastes are expected, a properly sized grease trap is required.
5. EPA should be contacted as the water supply appears to qualify as a public water system.
6. A clean-out is required at the major corner of the sewer line leaving the Club House.

NORMA

(Review
letter)

81-117

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

May 6, 1981

Mr. John W. Harris
IMC Corporation
Mundelein, Illinois 60060

Dear Mr. Harris:

This letter is in regard to your submittal of February 25, 1981, applying for a Permit to Construct small dewatering ponds, or "dugouts", for bentonite pits to be located in Crook County, Wyoming.

The information you supplied indicates that such a Permit can be issued. The materials we need are outlined on the enclosed "Guidelines for Waste-water Pond Construction Permit Applications." You will notice that a considerable number of items in these guidelines have been crossed out. This is because I have routed a copy of your original materials to our groundwater hydrologist, and he indicated this project would not apparently affect groundwater. A few of the items are also crossed out because of the very small size of the proposed facilities.

Also enclosed are the necessary permit application forms. It is suggested that you provide a separate application for each pit. Please note that permits issued by this Division are valid only for a limited period, not to exceed five (5) years. For this reason, I do not feel that you need to obtain permits for all twenty-six pits at this time. You may do so, of course, subject to the requirement that the permits be renewed as necessary.

When issued, the permits will contain the following conditions at a minimum:

- 1) Absolute prohibition of any surface discharge from the dugouts;
- 2) A limitation on the size of any dugout (probably one (1) acre-foot);
and,
- 3) A requirement that upon construction of a dugout, notice and actual location be provided to this office within a certain time.

Mr. John W. Harris
May 6, 1981
Page two

If you have any questions on this please feel free to give me a call.

Yours truly,

Tom Mueller

Tom Mueller
District Supervisor

TM/lis

Enclosures

xc: Jake Strohman

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-118R

MOUNTAIN VIEW MOBILE HOME PARK
(Name of Facility)

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

Mountain View Development
Mountain View, WY 82939

to construct, install, or modify a water and sewer system for a
70-unit mobile home park

facility according to the procedures and conditions of the application

No. 81-118R. The facility is located in Sec. 24, T. 15N,
R. 115W

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

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

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

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

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

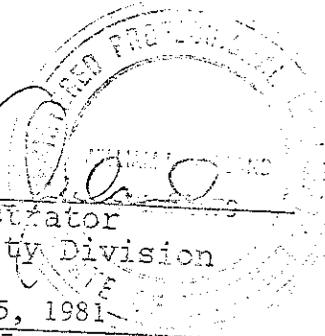
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



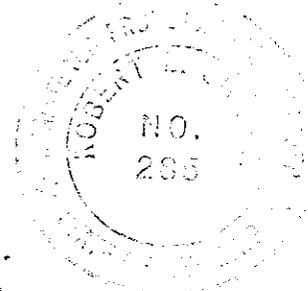
Administrator
Water Quality Division
March 25, 1981

Date of Issuance





Director
Dept. of Environmental Quality



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

AB:nb

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-119RRR

AMOCO SULFUR LOADING FACILITY CONSTRUCTION CAMP
(Name of Facility)

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

Project Construction Company
1777 South Harrison
Denver, CO 80210

to construct, install, or modify a sewage collection system, eight septic tanks, one leach field, water distribution system and storage facilities for 14 mobile homes and eight barracks

facility according to the procedures and conditions of the application

No. 81-119RRR. The facility is located in Sec. 25, T. 20N, R. 117W

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

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

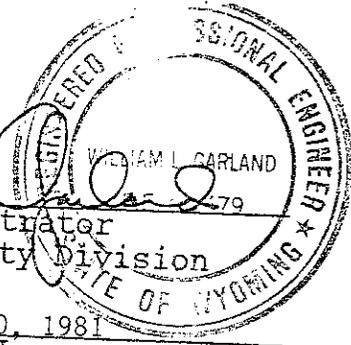
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

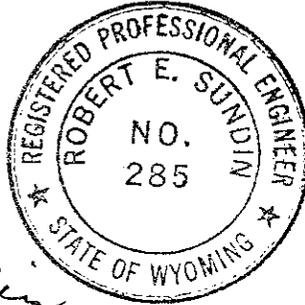
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division
April 20, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

FL:nb

Review of Plans and Specifications
Amoco Sulfur Loading Facility Construction Camp (81-119RR)
Date of Review - April 16, 1981
Page Two

17 - 21) Resolved.

22) The sewer riser detail does not state what type of connection is being used. In addition, both riser details should show the riser pipe terminating at least four inches above the concrete block.

23 - 25) Resolved.

Additional Comment

As we discussed over the phone, there is a discrepancy on Sheet 5 of 5, concerning the size of the pressure tank.

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

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Amoco Sulfur Loading Facility Construction Camp

ENGINEER: Uinta Engineering ATTN: Kenneth Walker
Box 764
Evanston, WY 82930

OWNER: Project Construction Corporation
1777 South Harrison
Denver, CO 80210

WATER QUALITY DIVISION REFERENCE NUMBER: 81-119~~K~~

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

DATE OF REVIEW: March 23, 1981

ACTION: Not authorized.

COMMENTS:

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

GENERAL COMMENTS

- 1) Identify on the plans which units are mobile homes and which are the living units, showing how many living units per row.
- 2) Is the proposed camp in a flood plain?
- 3) How will the area be reclaimed when the camp is abandoned? A narrative should be provided.
- 4) If any dewatering is to take place during the construction, a permit to discharge is needed. Enclosed is an application form. Please fill it out and mail it, as instructed, with a copy to this office.
- 5) One additional copy of the following items is needed:
 - "Inventory and Evaluation, Soil Conservation Service"
 - Dames and Moore's report on 'Soil, Bedrock and Groundwater Study'

WATER SYSTEM

- 6) A chemical and bacteriological test must be run on the water source and the results submitted to this office.
- 7) Has the EPA been contacted, concerning this water system?
- 8) Details are needed of the water loading dispensing unit.
- 9) What type of hauling schedule is proposed?
- 10) How will the water be maintained bacteriologically safe from the source to its ultimate use?
- 11) Complete design calculations are needed to support the water system design.
- 12) All thrust block locations should be shown on the plans.
- 13) How is the storage tank to be protected against freezing.
- 14) How was the size of the water storage tank determined? How often will it have to be filled?
- 15) How will the storage tank be filled? Details are needed of the connection used to fill the tank.
- 16) Valves on the water system need to be shown.

SEWAGE SYSTEM

- 17) Complete design calculations are needed to support the sewage system. This includes verifying the septic tank sizes, leach field size, and line sizes.
- 18) Rim elevations should be added to the profiles.
- 19) A drop of 0.1 foot should be provided through each manhole, particularly those in which a change of direction occurs.
- 20) Will the septic tanks be subjected to any loads which could damage them?
- 21) Sewer risers must be located a minimum of five (5) feet horizontally from water risers. This is not shown on the plans.
- 22) The sewer riser detail shown is satisfactory for those cases to which it applies, but a detail is needed in those instances in which a branch pipe will be needed.
- 23) The specs call for Schedule 40 PVC inlet and outlet pipe for the septic tanks. The plans do not show this. They should.

Review of Plans and Specifications, Amoco Sulfur Loading Facility Construction Camp
Date of Review - March 23, 1981
Page Three

- 24) What is the ground slope, in percent, in the area of the leach field?
- 25) What is the possibility the sewage will rise to the surface because it can't get through the shale layer? This needs to be addressed.

lej 5-15

PERMIT TO CONSTRUCT

Permit No. 81-120RR

- New
- Renewal
- Modified

Jafer Industrial Park
(Name of Facility)

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

Freiberg-Tanner Investments

1731 Kingsboro Road

Casper, WY 82601

to construct, install, or modify a 6 inch potable water main facility according to the procedures and conditions of the application No. 81-120RR. The facility is located in Section 20, 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.

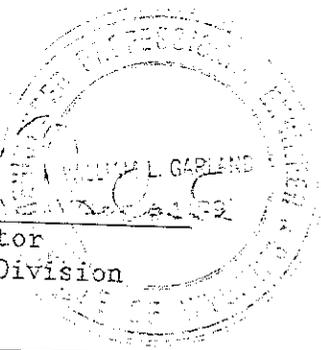
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions 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: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone, 672-6457.

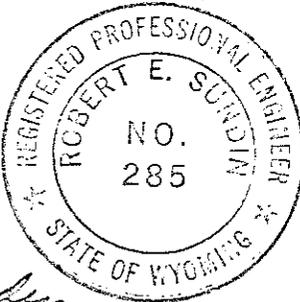
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division

May 7, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Ed S. Rate, Jr.
P. O. Box 930
Casper, WY 82602

656

Review of Plans and Specifications

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

PROJECT: Jafer Industrial Park-Water Main

ARCHITECT OR ENGINEER: Edwin S. Rate, Jr., P.E., Western Construction
Inc.
P. O. Box 930, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-120R

REVIEWING ENGINEER: Theodore D. Coyer *Theodore D. Coyer*

DATE OF REVIEW: April 8, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: Only one copy of the plan was received. As soon as one additional copy is received, we will issue a construction permit for the project.

81-120



EDWARD SCHILLER
DIRECTOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 17, 1981

Bob Tanner
Freiberg-Tanner Investments
1731 Kingsboro Road
Casper, WY 82601

RE: Jafer Industrial Park - Water Main, Natrona County

Dear Mr. Tanner:

We have received a plan for installation of a water main to serve the above referenced project. However, we cannot accept them for review nor issue a construction permit because the plans were not properly signed by a Wyoming Registered Engineer or accompanied by a construction permit application.

Application forms are enclosed for your use. Please submit them with the plans for review.

Very truly yours,

Theodore D. Coyer, P.E.
Environmental Engineer

TDC;ad

cc: Natrona Water & Sewer District

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 28, 1982

Mr. Sam Garcia
Mt. View Mobile Home Village
PO Box 394
Rock Springs, WY 82901

RE: 81-121RRRR Mt. View Mobile Home Village As-Builts

Dear Mr. Garcia:

Johnson-Fermelia and Crank should now have authorized plans for the previously un-authorized portion of your trailer park. A permit cannot be issued for that portion and this letter will serve in its place as authorization. Be advised, however, that the modifications as permitted in Permit #82-144 must be made. The authorization carried by this letter applies only to the portions of the project accepted without modification.

Please call me if you have questions.

Respectfully,

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

Albert J. Berreth
Area III Engineer

AJB:ch

cc: Harry Moore
Cheyenne DEQ/WQD
File (4)

ul



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 8, 1982

CERTIFIED

Mr. Sam Garcia
Mountain View Mobile Home Village
PO Box 394
Rock Springs, Wyoming 82901

Re: Mountain View Mobile Home Village
81-121RR *R*

Dear Mr. Garcia:

An answer to our October 27, 1981, review of the above referenced facility was received on January 7, 1982. This information has been reviewed. From this review it has been determined that: 1) certain areas of construction do not meet state standards and 2) certain areas of construction are questionable. In the first case, correction and modification of the deficient areas is needed. In the second case, further clarification is needed. Each group of items will be discussed as in previous letters.

Water System

- d) What is the pump pressure-discharge relation? Is there a pressure tank system? The overall integration of the wells in conjunction with their operation needs to be described. What kind of controls are used? Is there automatic alternation? Basically, please describe how the system is operated. System demand requirements are needed, peak and average.

Septic Tank-Leach Field System

- b) The waterlines will have to be moved to provide a minimum of 25 feet separation between them and the septic tank and leach field. Please submit plans and specifications for this revision as soon as possible as this will need to be permitted.
- j) The septic tank inlet and outlet pipe material does not meet state standards. Considering the site conditions, and provided the waterlines are relocated, this item can be accepted without modification.

Lagoon System

- 1) Please provide cross sections. Johnson-Fermelia and Crank indicated they had done sections, but they apparently were overlooked when the submittal was mailed.

ABC

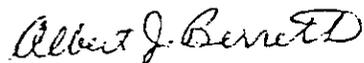
Mr. Sam Garcia
Page Two
February 8, 1982

- 2) The calculations show the pond to be hydraulically and organically overloaded. This must be corrected. A couple of options are open to you. The ponds can be expanded to totally contain the sewage or the pond can be upgraded and the sewage hauled to another site. If you choose the second alternative, a hauler must be shown to be available and capable of handling the sewage and the receiver of the sewage must be shown to be capable and willing to accept the sewage. A possible third alternative would be to reduce the number of units contributing to the sewage pond.

We need an unsigned permit application form covering the water and sewer systems. This matter must be resolved as early as possible. We would ask you to grant Mr. Johnson any additional authority he may need to get us the needed information; if you have any questions on this point, we'd be glad to speak with you. Again, we stress the need for your immediate attention to this.

Please direct any questions you have regarding these comments to me.

Sincerely,



Albert J. Berreth
Southwest District Engineer

AJB/kb

cc: Jake Strohman, DEQ
Marion Yoder, Asst. Attorney General
Johnson, Fermelia & Crank, Inc.
John M. Anselmi, Attorney at Law

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 5, 1981

Mr. Harry L. Moore
Johnson-Fermelia & Crank, Inc.
PO Box 1633
Rock Springs, WY 82901

RE: Mt. View Mobile Home Village,
81-121RR

Dear Mr. Moore:

In our meeting on December 9, 1981 it was agreed that you would submit an answer to the October 27, 1981 review of the above referenced project by December 23, 1981. To date we have not received that answer. Please advise as to when it can be expected.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AJB:ch

THE STATE



OF WYOMING

Cheyenne

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 27, 1981

CERTIFIED MAIL

Mr. Sam Garcia
Mountain View Mobile Home Village
P.O. Box 394
Rock Springs, WY 82901

RE: "As Built" Plans, DEQ #81-121RR

Dear Mr. Garcia:

On October 7, 1981 I received three sets of plans from your engineer in response to my April 29, 1981 letter. Once again, their reply was incomplete. In an effort to expedite this matter I will address each point of that letter here, stating what additional information is needed so that a review of the existing facilities can be completed. My comments are in the order of the April 29, 1981 review.

1. From the Area Plan Sheet, it has been determined that the thirty-two trailers within the area defined as "Previously Permitted Portion" are covered by Permit #J-12 (ref. #71-11) issued on February 18, 1971. On June 11, 1973, Permit #573-40 was issued for eight additional trailers. Which ones are they?

Assuming these eight trailers are the ones next to Mr. Garcia's house, it appears there are 21 trailers, one building and two residences for which permits have not been issued. This needs to be confirmed.

The plans for the sewer collection system must include:

- a. All water line crossings need to be shown on the sewer line profile.
- b. OK
- c. OK
- d. What is the exact sewer pipe specification (i.e. ASTM number and SDR)?

A, B, C

- e. Horizontal separation distances between existing water and sewer lines need to be shown on the plans. Vertical separation distances will be shown on the sewer line profiles.
- f. OK
- g. OK
- h. Were any infiltration-exfiltration tests run on the sewer line? If so, what were the results?

The plans for the water system must include:

- a. All wells which are not covered by an existing construction permit must be clearly identified. Complete "as built" drawings, material and construction specifications are needed for all wells constructed or modified without a construction permit.
- b. For each well not covered by a construction permit, yield and draw-down results are needed.
- c. Complete physical and chemical analyses are needed of the water from each unpermitted well.
- d. A water distribution system analysis is needed. What are the maximum and minimum pressures in the system?
- e. Water line profiles are needed. All sewer line crossings should be shown.
- f. What are the exact water pipe specifications?
- g. Valve, tee, etc. specifications are needed.
- h. OK
- i. What were the results of the pressure tests?
- j. What method of disinfection was used?

The plans for the septic tank-leach field systems must include:

- a. What is the depth to groundwater in the area of the leach fields?

- b. The following separation distances need to be shown:
- septic tank to water well
 - septic tank to water lines
 - septic tank to property lines and nearest dwelling
 - leach field to water wells
 - leach field to water lines
 - leach field to septic tank
 - leach field to property lines and nearest dwelling
- c. OK
- d. OK
- e. OK
- f. What is the soil type and profile at the leach field site?
- g. Is the septic tank coated? If so, what is the coating material?
- h. OK
- i. OK
- j. Septic tank inlet and outlet pipe specifications are needed (i.e., ASTM designation and SDR).

Lagoon System

Complete and detailed "as built" plans are needed of the lagoon system. This includes:

- mass balance calculations
- load calculations (i.e., BOD loading)
- depth to groundwater
- location of all wells within one-half mile, what the water is used for and the static water level
- soil profiles
- in-situ permeability of soil beneath bottom of lagoon
- direction of groundwater movement and velocity
- a cross-section of the lagoon showing depth of water, freeboard, dike height and slope, dike width, etc.
- a detail is needed of the inlet structure and line

Additional Comments

It would be appreciated if the engineer would provide a cover letter with all future plans addressing each point.

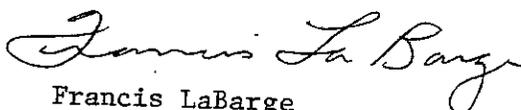
Certified letter to Sam Garcia, Mountain View Mobile Home Village, DEQ 81-121RR
October 27, 1981
Page 4

The plans need to be signed by the engineer.

The enclosed "Application for Permit to Construct" needs to be filled out, but not signed, and returned with your reply to this review letter.

I wish to make it clear that the information requested in this letter is needed to complete a review of the existing conditions at the trailer park. Upon receipt of a satisfactory reply, in triplicate, you will be informed of what changes will be needed to bring your system into compliance with State standards. The plans will have to be modified accordingly and after they are approved you will be issued a permit to modify the facilities.

Yours truly,



Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb
Enclosure

Copy: Jake Strohman, Engineering Control Supervisor, Cheyenne DEQ/WQD
Marion Yoder, Assistant Attorney General
Johnson, Fermelia and Crank, Inc., Rock Springs, WY
File (4)

Norma



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 29, 1981

CERTIFIED MAIL

Sam Garcia
Mountain View Mobile Home Village
P.O. Box 394
Rock Springs, WY 82901



RE: "As Built" Plans, DEQ #81-121R

Dear Mr. Garcia:

The "as built" plans submitted to this office by Johnson, Fermelia and Crank, Inc. on April 15, 1981 are incomplete and cannot be accepted for a formal review.

A brief review of the plans has been conducted in an effort to inform you of what information is required. That information is listed here for your reference.

1. "As built" plans of those water and sewer systems, for which a permit to construct, install or modify has not been issued, are required. The trailers and systems in question must be clearly identified.

The plans for the sewer collection system must include:

- a. Profiles.
- b. Manhole invert elevations.
- c. Distance between manholes.
- d. Pipe specifications.
- e. Horizontal and vertical water and sewer line separation distances.
- f. The construction specifications to which the lines were installed.
- g. Manhole details.
- h. Results of the infiltration-exfiltration tests.

The plans for the water system must include:

- a. Well details.

A, B, C

- b. Well capacities (i.e., yield and drawdown).
- c. A complete physical and chemical analysis of the water.
- d. Design criteria and calculations (i.e., Hardy-Cross or equivalent).
- e. Line profiles.
- f. Pipe specifications.
- g. Complete specifications for all valves, tees, etc.
- h. The construction specifications to which the lines were installed.
- i. Results of the pressure tests.
- j. How the lines were disinfected and the testing results.

The plans for the septic tank-leach field systems must include:

- a. Depth to groundwater.
- b. All required separation distances.
- c. Location of percolation test holes.
- d. Pipe specifications.
- e. Details of splitter box.
- f. Soil type and profile.
- g. Septic tank coating material.
- h. Septic tank manhole sizes.
- i. Complete installation specifications.
- j. The pipe specifications are needed for the piping into and out of the septic tank for a minimum distance of 5 feet.

Complete and detailed "as built" plans are needed of the lagoon system.

While reviewing the plans to determine what additional information is needed, the following points were noted and are listed here for your information.

Sewer Collection System

1. Sheet 1 shows an 8" line into the south septic tank, but sheet 2 shows a 6" line. This needs to be clarified.
2. The existing building on sheet 1 doesn't show any connecting water or sewer lines. Is this correct?
3. Depending on the distances involved, either a cleanout or manhole is required at the ends of the sewer lines. This is not shown on the plans. Are they existing?

Sam Garcia
April 29, 1981
Page Three

4. A manhole is not shown where the 6" and 8" lines intersect, just ahead of the south septic tank.

Water System

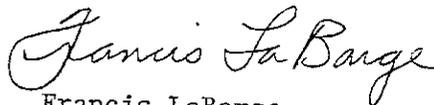
1. Sheet 1 shows a dead-end water line. All dead-end lines must have an approved flushing device.

Septic Tank-Leach Field

The disposal field identified as Leach Field No. 2 is not a leach field. From the information supplied, it appears to be a seepage pit. The detail notes that cobblestone backfill, 3" to 4", typical, was used. Our pictures indicate the stone used was considerably larger. During my on-site inspection, I observed two PVC pipes sticking out of the leach field. These are not shown on the plans.

It is the request of this department that the necessary plans, specifications and design information be received within thirty (30) days of your receipt of this letter. A copy of this letter is being forwarded to the Attorney General's office.

Yours truly,



Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman, Engineering Control Supervisor, DEQ/WQD
Johnson, Fermelia & Crank, Inc., Rock Springs
Marion Yoder, Attorney General's Office, Cheyenne

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 24, 1981

CERTIFIED MAIL

Mr. Sam Garcia
Mountain View Mobile Home Village
P.O. Box 394
Rock Springs, WY 82901

RE: "As Built" Plans
DEQ Ref. No. 81-121

Dear Mr. Garcia:

The "as built" plans submitted to this office by Johnson, Fermelia and Crank, Inc. are incomplete and cannot be accepted for review.

Detailed plans, specifications and design information are needed of all modifications that have been made to the water and sewer systems for which you first did not obtain the necessary permits. If your engineers have any questions about what information is required, contact me at this office.

It is the request of this department that the necessary plans, specifications and design information be received within thirty (30) days of your receipt of this letter. A copy of this letter is being forwarded to the Attorney General's Office.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman, Engineering Control Supervisor, DEQ/WQD
Johnson, Fermelia & Crank, Inc., Rock Springs
Marion Yoder, Attorney General's Office, Cheyenne

L&B
P
5/4/21

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-122R

Camp Sacajawea
(Name of Facility)

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

Wyoming Girl Scout Council

P. O. Box 293

Casper, WY 82602

to construct, install, or modify a packaged sewage treatment plant facility according to the procedures and conditions of the application No. 81-122R. The facility is located in Section 19, T32N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

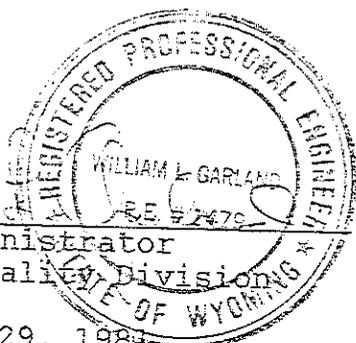
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

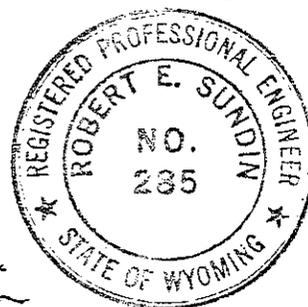
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division

April 29, 1981
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Peterson/Weber and Associates
437 South Spruce
Casper, WY 82601

Gorder/South Group
410 South Poplar
Casper, WY 82601

Let 4-8-81

Review of Plans and Specifications

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

PROJECT: Camp Sacajawea

ARCHITECT OR ENGINEER: Duane Weber, P.E., Patterson/Weber & Assoc.
437 South Spruce, Cheyenne, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 81-122

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

DATE OF REVIEW: April 7, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Please provide test data which indicates treatment plant winter operating conditions.
2. Detailed drawing of the treatment plant have not been received. Please submit them so that my review can be completed.
3. Provide specifications and detailed drawings for the solids return pump which is to be installed in the second clarifier.
4. Specifications and details of the chlorination system, including the contact tank, must be provided.
5. Provide details of the grease trap.

5-26-81

LEJ

PERMIT TO CONSTRUCT

New

Permit No. 81-123R

Renewal

Ref. No. 80-361R

Modified

Issued With Conditions

Black Thunder Mine Reservoir, BT Pit 1-M2
(Name of Facility)

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

Thunder Basin Coal Company/% Charles B. Smith

P. O. Box 406

Wright, WY

to construct, install, or modify a sedimentation pond facility according to the procedures and conditions of the application No. 81-123R. The facility is located in NE 1/4 or SE 1/4 of Section 16, T43N, R70W in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

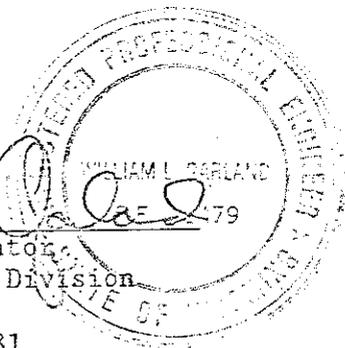
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

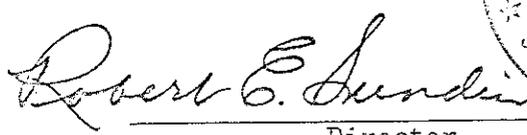
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

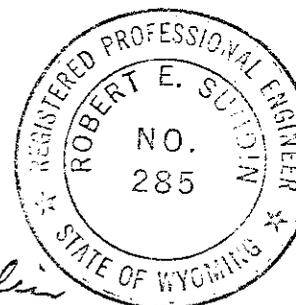
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrators
Water Quality Division
May 14, 1981
Date of Issuance




Director
Dept. of Environmental Quality



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

cc: Wayne R. Haug
4503 Radio Road
Gillette, WY 82716

Conditions

1. A report of the analysis of the quality of the mine pit water which will be discharged into this facility shall be submitted to the Water Quality Division as soon as possible. The water shall not adversely affect the groundwater quality of the site.
2. The inlet ditches shall be maintained such that they will handle the flow from a 10 year-24 hour precipitation event.
3. The dike between the two cells of the sedimentation pond should be provided with an emergency overflow.

C.E.B

PERMIT TO CONSTRUCT

Permit No. 81-124

- New
- Renewal
- Modified

Deer Run Additon
(Name of Facility)

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

Casper Board of Public Utilities

200 N. David

Casper, WY 82601

to construct, install, or modify a 8-inch water main facility according to the procedures and conditions of the application No. 81-124. The facility is located in Sections 28 & 29, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

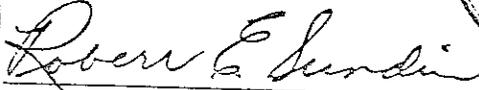
AUTHORIZED BY:



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

Administrator
Water Quality Division

March 17, 1981
Date of Issuance



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

Director
Dept. of Environmental Quality

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

cc: Thomas P. McDill
6405 Indian Scout Drive
Casper, WY 82601



AS- V-28 BX2

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 15, 1981

Mr. Val Harris
P.O. Box 112
Smoot, WY 83126

Re: "As Built" Plans of Wastewater Facility
DEQ #81-125R

Dear Mr. Harris:

I have reviewed the "as built" plans of the small wastewater facility which serves your veterinary office. The plans, as submitted, appear to meet minimum design standards in all aspects, except one.

Under design information on the "Checklist Sheet," it is stated that the inlet and outlet pipe material is PVC pipe, but the septic tank detail shows ABS pipe. The standards call for Schedule 40 PVC inlet and outlet pipe material. It is possible that ABS pipe will break if the septic tank should settle. This discrepancy does not warrant modifying the system, however if a problem should develop with the inlet and outlet piping, Schedule 40 PVC should be used in any repairs.

A "Permit to Construct" cannot be issued because this facility has already been constructed. Please be advised that before the construction of a wastewater disposal system can take place, a "Permit to Construct" must first be issued, as stated by Chapter III of the Wyoming Water Quality Rules and Regulations. If, in the future, you become involved in a similar construction, it will be expected that you obtain the "Permit to Construct" before any construction takes place.

This office considers this matter closed.

Yours truly,

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

Francis LaBarge, Water Quality Evaluator
Southwest District

FL:nb

cc: Cheyenne DEQ/WQD

Ross M. Turner, P.E.

Blair B. Harmon, Inc., Contractor

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 15, 1981

Mr. Val Harris
P.O. Box 112
Smoot, WY 83126

Re: Wastewater Facility Application DEQ #81-125

Dear Sir:

It has been over thirty days since you were sent a letter (copy enclosed) stating the plans, as submitted, could not be accepted for review. As of this date, we have not received any revised plans.

Please inform this office, in writing, of the status of this project. If you intend to abandon it, your application will be withdrawn on the basis of your written reply. If you intend to build the facility, when can we expect the necessary plans?

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Enclosure

cc: Cheyenne DEQ/WQD

Blair B. Harmon, Inc.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 13, 1981

Val Harris
P.O. Box 112
Smoot, WY 83126

Re: Wastewater Facility Application
DEQ Ref. NO. 81-125

Dear Sir:

The above referenced application cannot be accepted for review. The application states the facility is for an office; therefore, it is considered a large wastewater facility and the plans must be stamped by an engineer registered in the State of Wyoming.

Please have a registered engineer stamp the plans and resubmit them. As a reminder, any construction or modifications of a wastewater facility without a "Permit to Construct" is a violation of Chapter III of the Wyoming Water Quality Rules and Regulations (copy enclosed) and is subject to possible penalties.

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

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

Enclosures

cc: Cheyenne, DEQ/WQD

Blair B. Harmon, Inc.

B

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-126R

KIMBELL MOBILE HOME PARK
(Name of Facility)

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

Harry Kimbell
P.O. Box 368
Greybull, WY 82426

to construct, install, or modify a wastewater collection system

facility according to the procedures and conditions of the application No. 81-126R. The facility is located in Sec. 8, T.52N, R.93W

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

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

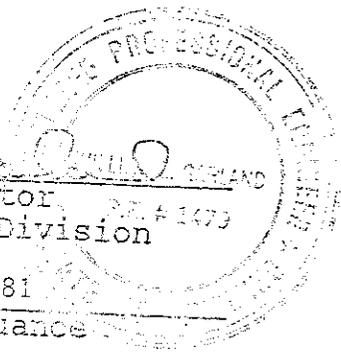
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

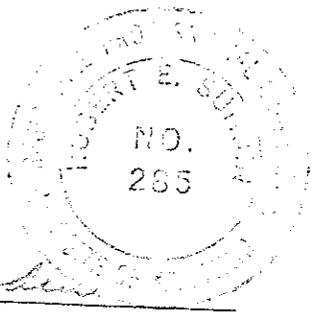
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William J. O'Connell
Administrator
Water Quality Division


Robert E. Dunbar
Director
Dept. of Environmental Quality

March 25, 1981
Date of Issuance

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

JCH:nb

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 81-127R

WINCHESTER RIDGE #1, GRASSLANDS #1, and SEWAGE PUMP STATION
(Name of Facility)

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

Housing Services, Inc.

555 17th Street, Anaconda Towers, 19th Floor

Denver, Colorado 80202

to construct, install, or modify a public water supply and sewage
collection and pumping

facility according to the procedures and conditions of the application

No. 81-127R. The facility is located in _____

Sections 26, 27, 28, 33, 34 and 35, T.44N., R.72W.

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

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

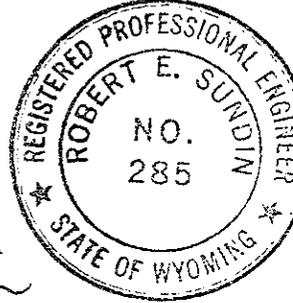
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

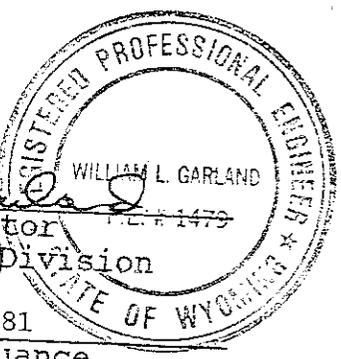
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

April 27, 1981
Date of Issuance

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

xc: Gingery Associates, Inc.
2840 South Vallejo Street
Englewood, Colorado 80110

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-128

TRUNK SERVICE MAIN
(Name of Facility)

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

Wright Water and Sewer District

P.O. Box 549

Wright, Wyoming 82732

to construct, install, or modify a public water supply and
sewage collection

facility according to the procedures and conditions of the application

No. 81-128. The facility is located in _____

Sections 26, 27, 34 and 35, T.44N., R.72W.

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

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

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

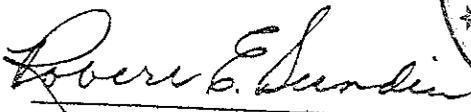
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


 WILLIAM J. GARLAND
 285 479
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF WYOMING
 Administrator
 Water Quality Division


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

April 27, 1981
 Date of Issuance

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

xc: Gingery Associates, Inc.
 2840 South Vallejo Street
 Englewood, Colorado 80110

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-130

U.S. ENERGY HANGAR BUILDING SEWAGE DISPOSAL FACILITY--RIVERTON AIRPORT
(Name of Facility)

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

U.S. Energy Corporation - c/o George Smith

628 Madison Avenue

Riverton, Wyoming 82501

to construct, install, or modify a _____

Septic Tank/Leach Bed

facility according to the procedures and conditions of the application

No. 81-130. The facility is located in _____

Sec. 18, T. 1N, R. 4E.

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

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

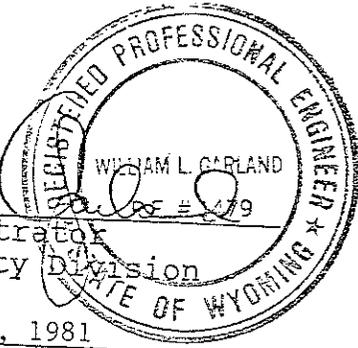
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

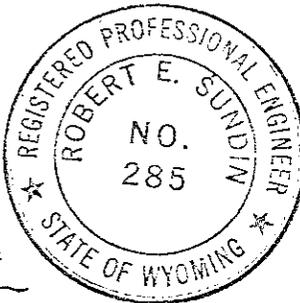
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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AUTHORIZED BY:

William L. Garland

 Administrator
 Water Quality Division
 STATE OF WYOMING
 March 16, 1981
 Date of Issuance

Robert E. Sundin

 Director
 Dept. of Environmental Quality

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

MRC/nb

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-131RR

CROSSBOW VENTURE
(Name of Facility)

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

Crossbow Venture
P.O. Box 353
Riverton, WY 82501

to construct, install, or modify a water distribution and sewage collection system for 12 townhouses (54 living units)

facility according to the procedures and conditions of the application No. 81-131RR. The facility is located in Sec. 26, T. 18N, R. 107W

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

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

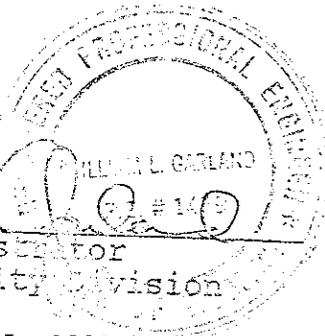
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

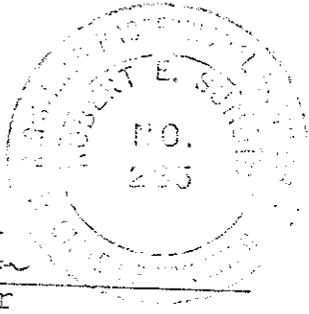
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William R. Garland
Administrator
Water Quality Division


Robert E. Burdick
Director
Dept. of Environmental Quality

March 25, 1981
Date of Issuance

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

FL:nb

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: Crossbow Venture

ENGINEER: J. B. Crews
2334 Rose Lane
Riverton, WY 82501

OWNER: Crossbow Venture
P.O. Box 353
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 81-131; Re: DEQ Application No. 80-643RR

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

DATE OF REVIEW: March 18, 1981

ACTION: Not authorized.

COMMENTS:

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

- 1) A letter is required withdrawing the original application.
- 2) Three complete sets of plans are needed.
- 3) I understand a water meter will be required. The location must be shown on the plans and a detail added. The meter pit and piping must conform with Ten-State Standards.
- 4) This office will require that the Green River City Engineer, Richard Lemke, provide a letter accepting the revised plans before a "Permit to Construct" will be issued.

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

FL:nb

cc: Richard Lemke, P.E., City Engineer, Green River

FL, BC

296

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-132R
Special Condition

Laramie Energy Technology Center
(Name of Facility)

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

Laramie Energy Technology Center
U.S. Department of Energy
P. O. Box 3395
University Station
Laramie, WY 82071

to construct, install, or modify a wastewater evaporation facility according to the procedures and conditions of the application No. 81-132R. The facility is located in Section 21, 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.

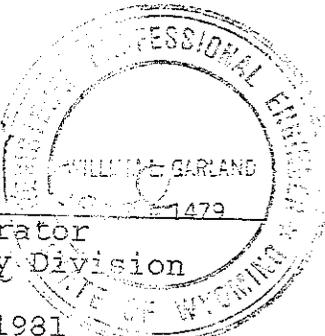
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

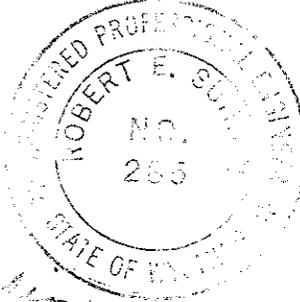
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William E. Garland

Administrator
Water Quality Division
April 14, 1981
Date of Issuance


Robert E. Sundin

Director
Dept. of Environmental Quality

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

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

Special Condition

1. A minimum of twelve (12) inches of water shall be maintained in the wastewater evaporation tank at all times.
2. The leak detection system shall be checked routinely.

Review of Plans and Specifications

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

PROJECT: Laramie Energy Technology Center,
North Site Retoring and Gasification Project

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

WATER QUALITY DIVISION REFERENCE NUMBER: 81-132

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

DATE OF REVIEW: March 19, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. How much wastewater will be generated on a daily basis?
2. How long will this system be in operation?
3. The bottom drain must be eliminated. If it is not, the system will be considered a discharging facility.
4. After all the water is evaporated, what will you do with the sludge? Do you have an approved disposal area?
5. The tank area must be fenced.
6. The leak detection pipe should be valved at the catch basin.

h f

PERMIT TO CONSTRUCT

Permit No. 81-134

- New
- Renewal
- Modified

1981 Hanna Water System Improvements
(Name of Facility)

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

Town of Hanna

P. O. Box 99

Hanna, WY 82327

to construct, install, or modify a municipal water distribution system facility according to the procedures and conditions of the application No. 81-134. The facility is located in Sections 16, 19 & 20, T22N, R81W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

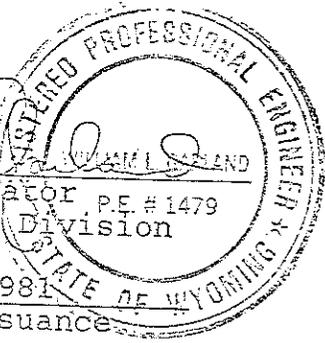
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

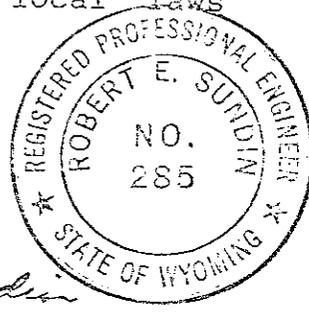
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:


William L. Casland
Administrator, P.E. # 1479
Water Quality Division
March 20, 1981
Date of Issuance


Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Paul McCarthy, Jr.
Robert Jack Smith & Associates
P. O. Box 1104
Rawlins, WY 82301

THE STATE



OF WYOMING

126
ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 7, 1981

Ed Bales, Asst. Superintendent of Buildings and Grounds
Laramie County Community College
1400 East College Drive
Cheyenne, WY 82001

RE: Approval of As-Built, Phase III-B of LCCC Permit
Application No. 81-135R

Dear Mr. Bales:

The Water Quality Division has completed an engineering review of the sewer lines for Phase III-B of Laramie County Community College, and has determined that the design is acceptable. Since a Permit to Construct cannot be issued for "as-built" systems, this letter will serve as your approval document.

Sincerely,

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

Thomas S. Norman
Water Quality Engineer

TSN/pjb

117

Review of Plans and Specifications

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

PROJECT: LCCC Phase III - B, Fine Arts, Vocational
Classroom, Student Services

ARCHITECT OR ENGINEER: John E. Parks, 3001 Henderson Drive
Suite M, Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-135

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

DATE OF REVIEW: March 23, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The service connections for the Fine Arts Building are not under our jurisdiction for review. However, three inch diameter sewer services are not recommended.
 2. The following items need to be submitted:
 - a. Specifications for the sewer.
 - b. Slopes of the sewer.
 - c. Details on crossing water lines with sewer lines so that minimum separations are maintained.
 3. The sewer service connection from the Student Service Center is not allowable. According to DEQ's memorandum of October 8, 1980, where two or more service connections intersect constitutes a sewer main. The minimum recommended size for sewer mains is 8 inch diameter. However, six inch sewers may be used where hydraulics allow such installation. Based on the fixture unit design method, a 4 inch sewer pipe has inadequate capacity. The regulations also require manholes to be installed whenever there is a change in grade or alignment.
- A recommended layout is enclosed.

4. The service connection from the vocational classroom building is unacceptable. A manhole is to be installed at changes in direction. Also the 131 fixture units have an estimated design rate in excess of the 4 inch line capacity.

Attachment: October 8, 1980 Memorandum
Student Service Center Alignment

cc: John E. Parks
3001 Henderson Drive
Suite M
Cheyenne, Wyoming 82001



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 19, 1981

Mr. David W. Hill, P.E.
Casper Board of Public Utilities
200 North David Street
Casper, Wyoming 82601

RE: Standard Specifications for Sanitary Sewer Mains -
Casper Board of Public Utilities

Dear Mr. Hill:

The Casper Board of Public Work's "Standard Specification for Sanitary Sewer Mains" have been reviewed and are in compliance with the Water Quality Rules and Regulations.

If you have any questions about this, please feel free to contact us about them.

Very truly yours,

Theodore D. Coyer, P.E.
Environmental Engineer

TDC/ad

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-137

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

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

Brown & Root, Inc. c/o C. E. Bowman
P.O. Box 3
Houston, Texas 77001

to construct, install, or modify a sanitary sewage disposal

facility according to the procedures and conditions of the application

No. 81-137. The facility is located in Section 11, T.47N., R.71W.

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

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

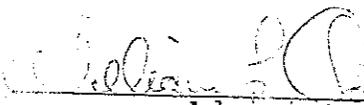
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

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

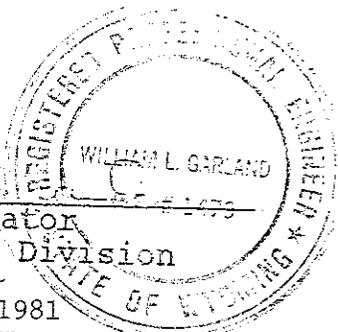
AUTHORIZED BY:



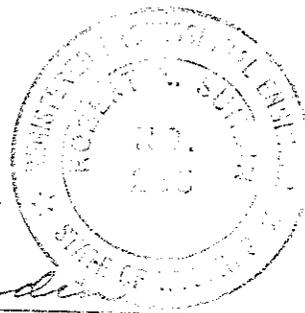
Administrator
Water Quality Division

April 10, 1981

Date of Issuance



Director
Dept. of Environmental Quality



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

NOTE: This permit replaces Permit 81-9 issued by DEQ on February 10, 1981.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 81-138

COAL CREEK MINE SEDIMENTATION POND 9

(Name of Facility)

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

ARCO Coal Company, attention: Scott Raymond

P.O. Box 5300

Denver, Colorado 80217

to construct, install, or modify a runoff control pond (out-
fall #004)

facility according to the procedures and conditions of the application

No. 81-138. The facility is located in _____

Section 8, T.46N., R.70W.

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

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

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

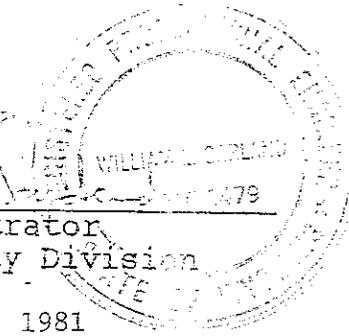
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

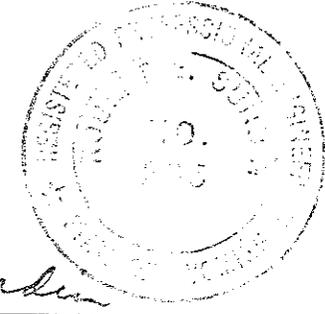
AUTHORIZED BY:



Administrator
Water Quality Division

April 9, 1981

Date of issuance



Director
Dept. of Environmental Quality


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

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

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

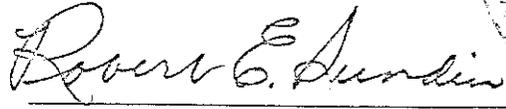
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



WILLIAM J. GAGLIARDI
REGISTERED PROFESSIONAL ENGINEER
NO. 2379
STATE OF WYOMING
Administrator
Water Quality Division



ROBERT E. SUNDIN
REGISTERED PROFESSIONAL ENGINEER
NO. 235
STATE OF WYOMING
Director
Dept. of Environmental Quality

May 15, 1981

Date of Issuance

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

MEMORANDUM

TO: FILE
PLAN DES# 81-141R
JAKE STROHMAN
TONY MANCINI
AL BERRETH

FROM: FRANK LABARGE *FL*

DATE: JUNE 10, 1981

SUBJECT: MEETING WITH AMOCO OFFICIALS TO DISCUSS AMOCO'S WHITNEY CANYON PROJECT.

On June 9, 1981 I met with the following Amoco representatives at the Lander office:

R. L. Kelley	Amoco-Whitney Canyon Plant
Joe Bryant	Amoco District Engineer, SLC
G. E. Moody	PCC - Denver
J. H. Behnfeltd	Stearns-Roger Engineering Corp.
Martin Zimmerman	Amoco-SLC
Becke McGee	Amoco, Denver Attorney
Gary Austin	Amoco- Denver
Ken Walker	Uinta Engineering & Surveying

We discussed the need to get the plans for the package wastewater treatment plant at the job site and the plans for modifications to the mancamp approved as soon as possible. If not I told them I would recommend enforcement action. They assured me the plans will be received and the matters resolved by July 1, 1981.

We then discussed the revised plans for the Amoco Skull Point Terminal, DEQ#81-141. The following points were brought out during this review:

1. A copy of the soil test on the proposed clay liner material is needed.
2. The plans and construction specs for the clay liner should agree with the results of the lab tests.
3. Amoco agreed to provide additional information on their search for groundwater.
4. A typical x-section of the sulfur containments dikes and calculations are to be furnished.
5. The proposed pond is to be divided into two cells.
6. The overflow on the pond is to be eliminated.
7. The inlet pipe to the pond is to be revised, showing a splash pad and anchor.

June 10, 1981

Page two

8. It was decided the profile shown of the inlet pipe is satisfactory; additional profiles will not be required.
9. Wastewater characteristics are needed for the pond contents. At a minimum, a description of the water sources and uses along with estimated values for ph, TDS and oil and grease.
10. Pipe specifications are needed.
11. A statement is needed that a qualified person will supervise the clay liner installation.
12. The need for a leak detection system has yet to be determined. From the information provided, it appears one won't be required; however it was made clear they must prove this to DEQ. I told them the groundwater section will review the plans and may require one. They said they understand this.

They also had two sets of plans for two septic tank-leach field facilities but a preliminary review showed them to be incomplete.

Based upon these comments Amoco decided to take the plans with them and make the revisions we discussed. They expect to submit the revised plans within two weeks.

The question of beginning construction came up. I told them no work could begin on the sulphur terminal plant site until all DEQ permits have been secured. They then proceeded to outline the plant site on a site plan. I told them as far as DEQ is concerned work could begin on the railroad spur and road that are not on the plant site. As it turns out, they define the plant site such that neither the road or railroad spur are included. They intend to begin construction on these two projects and the approved mancamp immediately.

On this point the meeting concluded.

FL:sj

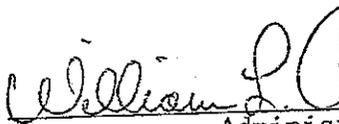
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

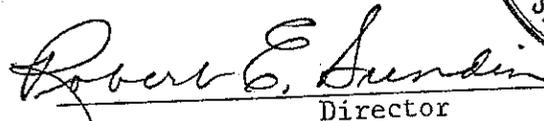
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

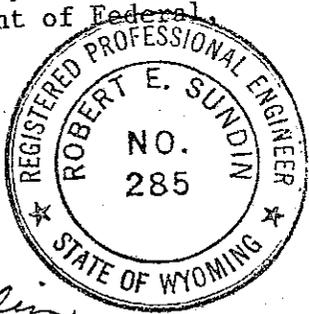
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
1479
Administrator
Water Quality Division
August 3, 1981
Date of Issuance




Robert E. Sundin
Director
Dept. of Environmental Quality



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

FL:d1
8/3/81

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Amoco Skull Point Sulfur Terminal

ENGINEER: Stearns - Roger Engineering Corp. ATTN: R. F. Sassetti
P.O. Box 5888
Denver, CO 80217

OWNER: Amoco Production Company
4500 Cherry Creek Drive
Denver, CO 80210

WATER QUALITY DIVISION REFERENCE NUMBER: 81-141

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: March 24, 1981

ACTION: Not authorized.

COMMENTS:

Before a "Permit to Construct" can be issued, the following items must be addressed:

- 1) Three copies of all plans and specifications are required.
- 2) If you have less than ten service connections, you will not need a permit for the water system from the State of Wyoming. EPA may, however, require a permit.
- 3) A complete plan, including all wastewater lines, is needed.
- 4) Depth to groundwater needs to be known.
- 5) Is the pond lined?
- 6) The pond inlet structure, fencing, etc., must be detailed.
- 7) Will the pond have an outlet? It will need a discharge permit, if it does.
- 8) Complete calculations must be submitted.

Upon receiving the above, the system will be reviewed for compliance with Chapter III, "Wyoming Water Quality Rules and Regulations," and "Ten-States Standards."

AIC

Cher

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Amoco Skull Point Sulfer Terminal

ENGINEER: Stearn Roger Engineering Corp.
PO Box 5888
Denver, CO 80217
ATT: Hugh Wangelin

OWNER: Amoco Production Co.
4500 Cherry Creek Drive
Denver, CO 80210

WATER QUALITY DIVISION REFERENCE NUMBER: 81-141R

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

DATE OF REVIEW: July 7, 1981

ACTION: Not authorized.

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

1. The "Application for Permit to Construct" is for a septic tank - leach field not for a wastewater pond.
2. The name of the engineer, his Wyoming P.E. number and the address of the engineering firm must be completed on the "Application for Permit to Construct."
3. What do the State Engineer permit numbers 25478 and 25498 represent? They do not represent underground water permits.
4. A statement is needed in the liner specification that a qualified individual will supervise the liner installation.
5. The pipe specifications do not call for the pipe to be lined or coated. This is recommended.
6. The inlet piping to the ponds should enter the ponds at the pond bottom and extend at least 10 feet from the inside toe of the dike.

A.C

Amoco Skull Point Sulfer Terminal
Page 2
DEQ #81-141R

7. The report should include a statement that the DEQ will be notified within 24 hours of a detection of a leak, an analysis of the collected seepage will be performed for specific parameters which might contaminate the groundwater to determine the seriousness of the leak, and a brief outline of the emergency operation plan that will be put into effect upon the discovery of a leak.

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

FL:ch
7/8/81

xc: Tony Mancini - Groundwater Control Superivsor, Cheyenne, DEQ/WQD

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-142R

CODY STAMPEDE/BUZZARDS ROOST REST ROOMS & CONCESSION
(Name of Facility)

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

Cody Stampede - c/o Fred Hyner; Agent - Roy Holm, P.E.

1725 Sheridan Avenue

Cody, WY 82414

to construct, install, or modify a septic tank/leach bed

facility according to the procedures and conditions of the application
No. 81-142R. The facility is located in NE $\frac{1}{4}$, Sec. 3, T.52N,
R.102W.

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

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

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

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

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

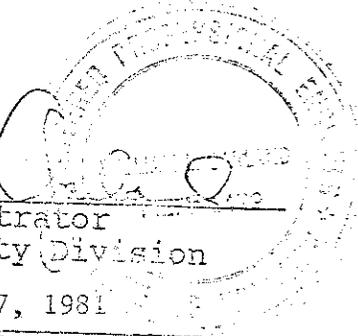
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division
March 27, 1981

Date of Issuance





Director
Dept. of Environmental Quality



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

MRC:NKB

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

The owner will insure that the absorption system crown will not be flattened, the earth backfill compacted or the perforated pipe crushed by vehicular traffic and/or parking.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Cody Stampede/Buzzards Roost Rest Rooms and Concession

ENGINEER: Norman L. Smith, Inc. ATTN: Roy Holm, P.E.
P.O. Box 1748
Cody, WY 82414

OWNER: Cody Stampede c/o Fred Hyner
1725 Sheridan Ave.
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 81-142

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



DATE OF REVIEW: March 20, 1981

ACTION: Not authorized.

COMMENTS:

After reviewing the aforementioned project, I would like to offer the following comments for your consideration in processing the necessary permit:

- 1) A section number is required as part of the legal description, if available.
- 2) A cleanout should be installed along the line between the septic tank and distribution box.
- 3) The leach bed should be mounded or crowned in order to prevent runoff water from draining into the absorption system.
- 4) Will a parking lot be located over this facility?
- 5) Recommend the ends of the leach pipe in the absorption bed be connected in order to help in the flow distribution.
- 6) What is the depth to the highest known groundwater in this area? Is it greater than ten feet?
- 7) Design appears to be okay, if the assumption of one gallon per person holds true. I calculate a required bed area of 1,312.5 ft.². What type of water-saving appliance will be used?
- 8) Will some type of vegetation be planted over the leach bed?

If you have any questions, please do not hesitate to contact us.

A, B, C

M
4-28-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-143R

DOWLIN SEWER SYSTEM AND DISPOSAL BED
(Name of Facility)

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

Doug and Darlene Dowlin
P.O. Box 1432
Rawlins, WY 82301

to construct, install, or modify a sewer collection system, septic tank and subsurface disposal bed for five trailers and one shop

facility according to the procedures and conditions of the application No. 81-143R. The facility is located in Sec.34, T.20N, R.94W

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

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

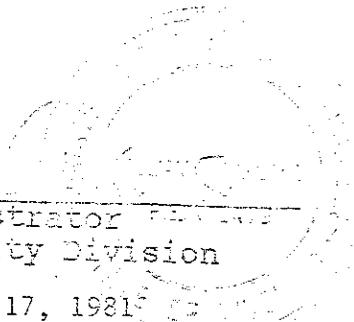
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

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

AUTHORIZED BY:



Administrator
Water Quality Division
April 17, 1981

Date of issuance


Robert E. ...

Director
Dept. of Environmental Quality

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

FL/nb



THE STATE OF WYOMING

81-143

Norma

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 17, 1981

CERTIFIED MAIL

Doug and Darlene Dowlin
P.O. Box 1432
Rawlins, WY 82301

Dear Mr. and Mrs. Dowlin:

The plans for the sewer system and subsurface disposal bed for your trailer park and shop have been approved. The permit has been sent to Cheyenne for the necessary signatures. You should receive it and a copy of the approved plans in approximately two to three weeks.

Because this facility was constructed in violation of Water Quality Rules and Regulations, we are requesting that the facilities be modified to comply with the approved plans, as soon as possible. Please notify this office when the modifications are being made. Our construction inspector will make an on-site inspection to verify the facilities are constructed in accordance with the authorized plans and specifications.

I would also like to recommend that a waste oil tank be installed in the shop. All unwanted oil should be stored in the tank. You should make contact with an oil reprocessor in the area, and make arrangements to sell your waste oil.

The existing lagoon has not been approved by this department. If you intend to use it in the future, you must get a permit for it. If not, we are requesting the oil on the surface be vacuumed off, the lagoon allowed to dry out, and then filled in. If this is not done, or application is not made for a permit, in a reasonable time, it will be the recommendation of this office that the matter be referred to the Attorney General's office. A written response is requested to this letter, informing this office of the action you plan to take. A time schedule should also be included.

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

Yours truly,

Francis LaBarge

Francis LaBarge, Water Quality Evaluator
Southwest District

FL:nb

cc: Jake Strohman, Engineering Control Supervisor, Cheyenne DEQ/WQD
Rich Ruyle - Construction Projects Control Officer, Lander DEQ/WQD
Monty Winter - Robert Jack Smith & Associates, Inc.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Doug and Darlene Dowlin - Wastewater Facilities

ENGINEER: Robert Jack Smith & Associates, Inc. Attn: Paul McCarthy and Monty Winter
P.O. Box 1104
Rawlins, WY 82301

OWNER: Doug and Darlene Dowlin
P.O. Box 1432
Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 81-143

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

DATE OF REVIEW: March 31, 1981

ACTION: Not authorized.

COMMENTS:

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

General Comments

- 1) The original application submitted for Jim's Water Service, DEQ Ref. No. 80-92RR, has been withdrawn, per your request. One copy of the plans are being retained for our records, and, as Mr. McCarthy requested, the others have been thrown away.
- 2) Since there are only six (6) service connections in this water system, it is defined as a private system by the State of Wyoming and doesn't require a "Permit to Construct" from this department. As a reminder, if the tenth service connection is ever added, Mr. Dowlin will need to get a "Permit to Construct."

Wastewater System

- 3) A layer of straw, four to six inches thick, or untreated building paper, is needed between the topsoil and gravel bed in the mound. This needs to be shown on the plans.
- 4) The size of the rock to be used in the mound needs to be added to the plans.
- 5) The plans should show vegetation on top of the mound.

- 6) The maximum distance from the distribution line to the excavation sidewall is three (3) feet.
- 7) Although the handout I gave you allows a maximum distance between distribution lines of eight (8) feet, the preferred maximum distance is six (6) feet and the minimum preferred distance is three (3) feet.
- 8) The four (4) inch perforated pipe material and specifications need to be shown on the plans.
- 9) Six (6) inch sewers may be installed in small mobile home parks, where hydraulics allow such installations. Eight (8) inch sewer will be allowed, providing there will be no additional units added to this line. A statement to this effect is needed on the plans.
- 10) How much cover is over the sewer line at STA 6 + 35?
- 11) The four (4) inch lateral from the shop should be at a minimum slope of 2%.
- 12) The sewer rise pipes should terminate a minimum of four (4) inches above natural ground, standing water or surface water runoff, whichever elevation is higher. The sewer riser detail doesn't show this.
- 13) The plans show a four (4) inch sewer and one (1) inch water line in the same trench. A note should be placed on the plans stating how this sewer line is to be abandoned (plugged, etc.).
- 14) Piping into and out of the septic tank, for a minimum distance of five (5) feet, must be cast iron or schedule 40 PVC. This should be shown on the profile and plans view.
- 15) Section 900 of the specifications calls for a two (2) compartment tank; however, the septic tank detail shows a single compartment tank. This needs to be clarified.
- 16) Because this is a fiberglass tank and there will be heavy trucks in the area, I suggest some type of barricade or fence be put around the tank, so a truck driver can't drive over it and possibly crush it.

Please submit the required information and revised plans, in triplicate, to this office. This does not necessarily constitute the final review. If you have any questions, contact me at this office. Because this park was constructed in violation of Chapter III of the Wyoming Water Quality Rules and Regulations, a response to this review letter is requested within thirty (30) days of your receipt of it. Failure to receive a reply within this time will result in this office recommending the matter be turned over to the Attorney General's Office.

cc: Jake Strohmman - Engineering Control Supervisor, Cheyenne DEQ/WQD

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 81-144R

THE MESA
(Name of Facility)

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

J & F Development, Inc.

661 Uinta Drive

Green River, WY 82935

to construct, install, or modify a sewer system

facility according to the procedures and conditions of the application

No. 81-144R. The facility is located in _____

Sec. 26, T. 18N, R. 107W

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

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

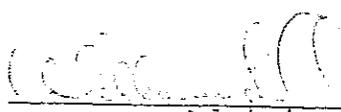
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

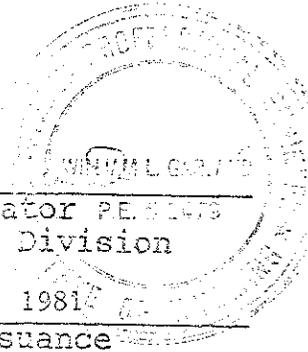
in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

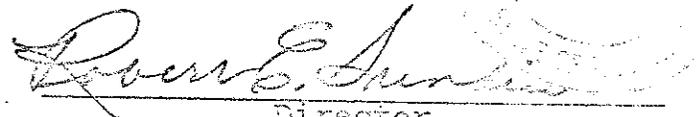
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



ADMINISTRATOR PERMITS
Water Quality Division
April 6, 1981
Date of Issuance





DIRECTOR
Dept. of Environmental Quality



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

AB:nb

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: The Mesa

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

OWNER: J & F Development, Inc.
661 Uinta Drive
Green River, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 81-144

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: March 24, 1981

ACTION: Not authorized.

COMMENTS:

Before a "Permit to Construct" can be issued, the following items must be clarified:

I. WATER SYSTEM

- 1) A letter similar to the one supplied by the City of Green River, concerning the sewage, is required for water.
- 2) Calculations are required which demonstrate that a minimum system pressure of 20 psi is maintained during fire flow.
- 3) A profile of the water main must be drawn, because this is a new system.
- 4) Thrust blocking needs to be shown on the plan. Please include required amount.
- 5) Specifications for the water main installation need to be supplied.
- 6) Complete water/sewer separation details are needed on the plan.
- 7) What is the normal operating pressure?
- 8) What pipe material is to be used or acceptable?
- 9) Please modify your permit application, as a permit is also required for the water service.

Review of Plans and Specifications - The Mesa
Date of Review - March 24, 1981
Page Two

- 10) If any service lines are to be greater than two inches, serve more than ten homes, or a tee is to be installed, they also need to be shown.
- 11) Please describe method of connection with detail.

II. SEWER SYSTEM

- 1) Please check the velocity in the sewer main segment between manhole 1 and manhole 5. It is preferred that the velocity be below 10 fps.
- 2) Between manhole 8 and manhole 7, the slope is shown to be 0.38%. Minimum slope is 0.40%.
- 3) Chapter 11 of the "Uniform Plumbing Code" states that building sewers should have a minimum of 2% slope. This should be incorporated into the plans, particularly on the longer laterals.
- 4) Are your specifications the city's standard specification? If they are, they do not agree with the specifications we have received for the city.
- 5) Do all homes have a cleanout for the service line?
- 6) The lateral going into manhole 11 does not have the 1.5% minimum slope specified in the calculations.
- 7) Manholes must be installed at the points where the branch lines join the trunk sewer line.

AB:nb

cc: Cheyenne DEQ/WQD

M-9/22/81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-145RR

OREGON TRAIL TRAILER PARK
(Name of Facility)

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

Sandy Crossing Enterprises, Inc.
P.O. Box 63
Farson, WY 82932

to ~~construct, install, or~~ modify a lift station, manholes and waste water lagoon

facility according to the procedures and conditions of the application No. 81-145RR. The facility is located in Sec. 27, 34, T. 25N, R. 106W

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

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

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

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

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

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

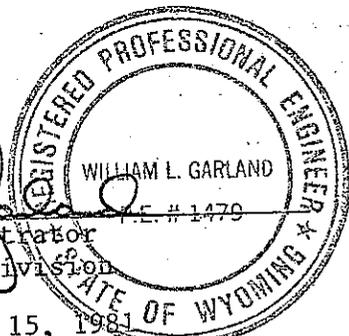
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

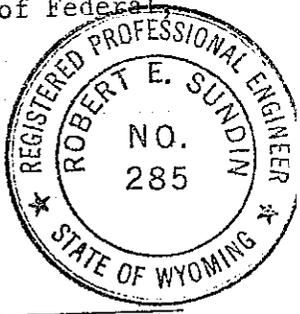
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Dept. of Environmental Quality



September 15, 1981
Date of Issuance

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

FL:nb
9-15-81

REVIEW OF PLANS AND SPECIFICATIONS

Cheyenne

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Oregon Trail Trailer Park

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

OWNER: Sandy Crossing Enterprises, Inc.
P.O. Box 63
Farson, WY 82932
Attn: Curtis Martin

WATER QUALITY DIVISION REFERENCE NUMBER: 81-145R

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

DATE OF REVIEW: August 24, 1981

ACTION: Not authorized.

COMMENTS: A review of your August 20, 1981 reply to my April 1, 1981 review letter has been completed. Before a permit to modify the facilities can be issued, the following points need to be resolved. I have addressed my comments in the order of your presentation.

II. Sewer Mains
2. Resolved

III. Lagoon
2. Resolved
5. Resolved
7. Was the liner material tested to determine what thickness, density and moisture content is needed to obtain the specified percolation rate? Copies of this report are needed. The liner thickness should be shown on the cross-section details.

IV. Additional Comments
1. The plans do not show the concrete pipe anchors or the pad anchor detail.
2. Resolved
3. Resolved
4. Why is elevation control employed in control structure #1? There doesn't appear to be any need for it.

Review of Plans and Specifications
Oregon Trail Trailer Park, DEQ #81-145R
Date of Review - August 24, 1981
Page 2

5. Resolved.
6. With the type of level control structure you have presented, there doesn't appear to be any need for emergency overflows for each cell. These should be deleted.
7. Resolved.
8. Resolved.
9. A liner installation spec is needed.
10. Prefilling needs to be included in the specs.
11. Resolved.
12. Resolved.
13. Resolved.

Please submit the required information and revised drawings, in triplicate, within one (1) week of your receipt of this letter. Upon receipt of a satisfactory reply, a permit to modify the facilities will be issued. If you have any questions, please contact me at this office.

FL:nb
8-25-81

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 27, 1981

CERTIFIED MAIL

Mr. Curtis Martin
Sandy Crossing Enterprises
P.O. Box 63
Farson, WY 82932

RE: Oregon Trail Trailer Park
DEQ #81-145

Dear Mr. Martin:

As of this date I have not received any reply to my April 1, 1981 review letter (copy enclosed). A reply was due in this office on May 5, 1981.

In an effort to work with you on this matter, a two-week extension, effective from the date you receive this letter, is being offered. No further extensions will be granted. Failure to receive a reply to the review letter within this time frame will leave this office with no choice but to take whatever action is necessary to resolve the matter.

Yours truly,

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

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb
Enclosure

cc: Jake Strohman, Engineering Control Supervisor, Cheyenne DEQ/WQD
Donald Pitt, Bennett-Carder & Associates, Inc.

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Oregon Trail Trailer Park

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

OWNER: Sandy Crossing Enterprises, Inc.
P.O. Box 63
Farson, WY 82932

WATER QUALITY DIVISION REFERENCE NUMBER: 81-145

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

DATE OF REVIEW: April 1, 1981

ACTION: Not authorized.

COMMENTS: A review of your submittal has been completed. The following points need to be clarified before the modifications can be authorized.

I. Raw Lift Station

1. Resolved
2. Resolved
3. Resolved
4. Resolved
5. Resolved
6. Resolved
7. Resolved
8. Resolved
9. Resolved
10. Resolved

A, B, C

II. Sewer Mains

1. Resolved
2. The use of the sewer pipe as a flow channel through a manhole is acceptable however the floor of the manhole should be grouted so it slopes to the channel and the pipe should be open all the way through the manhole. These changes need to be made to the manhole detail.

III. Lagoon

1. Resolved
2. I have reviewed your design calculations. The following points need to be clarified:

Under design criteria:

No. 6 - Dwellings-5: should use 5 units x 3.5 people/unit x 100 gpcd = 1750 GPD

I assume the estimated flows given for No. 7 and 8 are reversed. No. 7 should be 6600 GPD, correct?

No. 8 Permanent Trailer Spaces - 56 spaces: should use 76 units x 3.5 people/unit x 100 gpcd = 19,600 GPD

Using these revised figures, I arrive at a total daily flow of 32270 gal.

No. 10 You have used an evaporation rate of 0.17 inches/day which equals 62 inches/yr. Referring to our references, this figure is too high. A figure of approximately 40 inches/yr. should be used.

No. 11: Our reference predicts an average annual rainfall of 10.3 in./yr. in the Farson area.

The lagoon design calculations need to be revised to reflect these new figures.

BOD loading needs to be addressed to confirm the loading rates will not exceed 35 pounds of BOD per acre per day. Please supply these calculations.

3. Resolved
4. See Number 2
5. Complete and detailed construction specifications are needed for the fill over and under these lines.
6. Resolved

7. Complete liner details are needed. This includes permeability (density), testing of the liner to determine proper construction and how it was constructed. A cross section of the liner should be added to the plans.

IV. Additional Comments

1. Interconnecting piping between the various cells should not be located within or below the seal. Pipes should be anchored with adequate erosion control.
2. Why does the inlet structure from Cell 1 terminate in a downward direction. If this line should plug, how could it be cleaned? The inlet pipe should terminate vertically without the elbow.
3. The use of redwood boards is recommended in the control structure.
4. A means of isolating each cell is needed. Valves or dual slide gates should be put in the control structure to isolate cells 2 and 3 from the others. It appears an influent manhole that can divert the influent flow to either Cell 1 or 2 will be needed. This probably could best be done by relocating the influent manhole to the east, on the centerline of the dike between Cell 1 and 2, with a line running to each cell.
5. The slide rails in the control structure should be made of non-corrodible materials. Aluminum slide rails are most commonly used.
6. Emergency overflows should be provided for each cell.
7. All cells need a drain to allow complete emptying, either by gravity or pumping, for maintenance. These should be incorporated into the control structure.
8. Complete specifications are needed for all materials to be used in the construction of these facilities.
9. Complete construction and installation procedures (i.e., dike compaction requirements, pipe installation, pipe cover, etc.) are needed.
10. Prefilling of the cells needs to be addressed.
11. A plan view is needed of the 56 trailer spaces. A profile of the sewer lines is also required.
12. Details are needed of a typical sewer riser.
13. A hydraulic analysis is needed of the six inch line verifying capacity and flow velocity capabilities.

Please submit the required information and revised drawings, in triplicate, to this office. This does not necessarily constitute the final review. A reply is due within thirty (30) days of your receipt of this letter. If you have any questions, contact me at this office.

FL/kn

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD

PERMIT TO CONSTRUCT

New

Permit No. 81-146

Renewal

Modified

CLOVIS POINT MINE RESERVOIR NO. 5

(Name of Facility)

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

Kerr-McGee Coal Corporation

Caller Box 3014

Gillette, Wyoming 82716

to construct, install, or modify a sediment control reservoir

Facility according to the procedures and conditions of the application

No. 81-146. The facility is located in _____

Section 16, T.50N., R.71W.

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

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

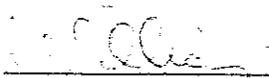
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

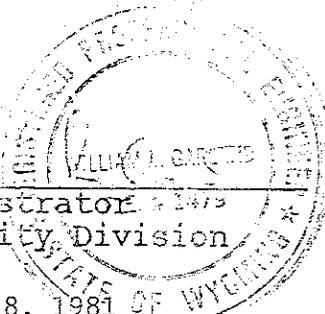
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:

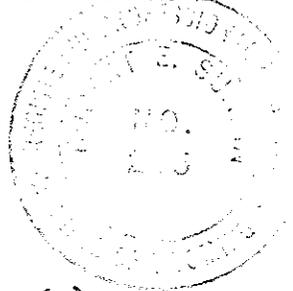


Administrator
Water Quality Division
APR 8 1981
Date of Issuance





Director
Dept. of Environmental Quality



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

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

PERMIT TO CONSTRUCT NewPermit No. 81-147 Renewal ModifiedUniv. of Wyo. Experimental Overland Flow Treatment Project
(Name of Facility)

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

Univ. of Wyo. - Agricultural Engineering Dept.P. O. Box 3354, University StationLaramie, Wyoming

to construct, install, or modify an experimental overland flow land treatment system facility according to the procedures and conditions of the application No. 81-147. The facility is located adjacent to Laramie Municipal Lagoon System, Section 20 & 29, 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.

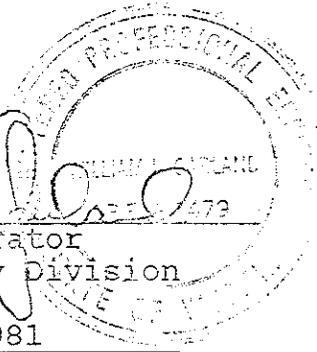
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

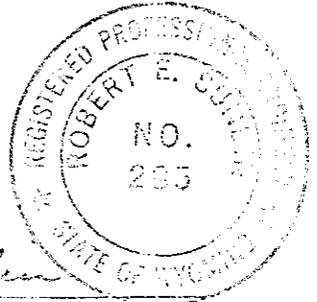
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "STATE OF WYOMING" around the bottom edge, and "WILLIAM J. [unclear]" in the center. The number "1473" is also visible.
William J. [unclear]
Administrator
Water Quality Division
April 2, 1981
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top edge, "STATE OF WYOMING" around the bottom edge, and "ROBERT E. [unclear]" in the center. The number "285" is also visible.
Robert E. [unclear]
Director
Dept. of Environmental Quality

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

cc: Victor Hasfurther
P. O. Box 3295, Univ. Station
Laramie, WY 82071

THE STATE OF WYOMING



LEF

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

401 W. 19TH STREET

EQUALITY STATE BANK BUILDING
CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 14, 1981

Gary Brown
Wyoming Highway Department
P. O. Box 1708
Cheyenne, WY 82001

RE: Baggs Port of Entry, Carbon County, DEQ Reference No.
81-148R

Dear Mr. Brown:

Enclosed is the Permit to Construct for the wastewater treatment facility for the Baggs Port of Entry. The water system does not fall under DEQ's jurisdiction. However, the 233 persons/day design criteria for Baggs does meet EPA's minimum criteria for the Safe Drinking Water Act and thus must meet their approval for monitoring. Contact Marc Alston of EPA in Denver for more information.

Sincerely,

Thomas S. Norman

Thomas S. Norman
Water Quality Engineer

TSN/pjb
Enclosures

cc: Marc Alston - EPA

✓

PERMIT TO CONSTRUCT

Permit No. 81-148R

- New
 Renewal
 Modified

Baggs Port of Entry
(Name of Facility)

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

Wyoming Highway Department

P. O. Box 1708

Cheyenne, WY 82001

to construct, install, or modify a commercial subsurface disposal wastewater treatment system facility according to the procedures and conditions of the application No. 81-148R. The facility is located in NW 1/4, NW 1/4, Section 16, T12N, R91W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

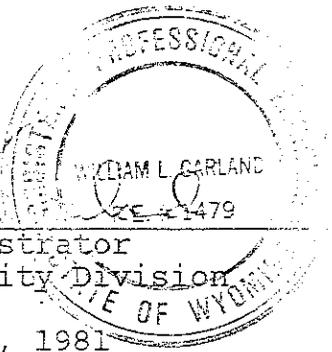
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

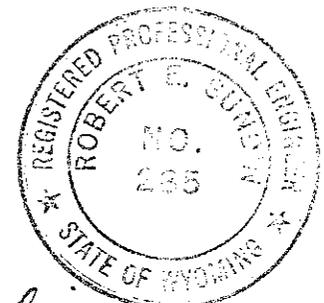
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:


William L. Garland

WILLIAM L. GARLAND
No. 1479
ADMINISTRATOR
Water Quality Division
STATE OF WYOMING


Robert E. Sardin

ROBERT E. SARDIN
NO. 285
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
DIRECTOR
Dept. of Environmental Quality

April 14, 1981
Date of Issuance

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

cc: Gary Brown
Wyoming Highway Department
P. O. Box 1708
Cheyenne, WY 82001

347

Review of Plans and Specifications

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

PROJECT: Baggs Port of Entry

ARCHITECT OR ENGINEER: Gary Brown, P.O. Box 1708
Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 81-148

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

DATE OF REVIEW: March 25, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

General

1. DEQ does not have a copy of the Highway Department's specification. Please submit for approval.
2. What is the design criteria that was used for sizing the water and sewer system (i.e., number of users, flow estimates, sump system flows, etc.)?
3. What are the results of the percolation tests that are needed to design the absorption field?
4. What type of wastes are expected from the sump below the scale? Is a grease trap necessary to protect the drainfield?

Specifications

1. Section C.2.a. What is the SDR requirement? The ASTM designations are not the latest revisions.
2. Section C.2.g. Is this an alternating siphon system as indicated on the plans, sheet 5/12? What is the dosing capacity of the dosing tank?
3. Section C.3. The regulations of the Wyoming State Board of Health and Social Services have not been approved by DEQ.
4. Section C.3.d. The plans indicate a maximum trench width of 24 inches while the specification state 30 inches.

Plans

1. A complete plan view of the drain field is necessary showing connecting ends.
2. A plan view of the dosing tank is necessary.

Water System

The water system does not fall under our review authority but we can review it if you so wish. However, depending on the number of people serviced, EPA may require routine monitoring. EPA should be contacted.

LEJ

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-149

Paradise Valley Water Storage Tank
(Name of Facility)

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

Casper Board of Public Utilities

200 North David, Casper, WY 81601

to construct, install, or modify a 500,000 gallon storage water tank facility according to the procedures and conditions of the application No. 81-149. The facility is located in Section 23, 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.

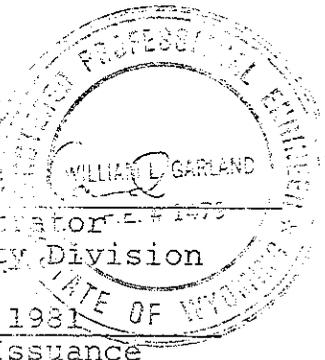
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

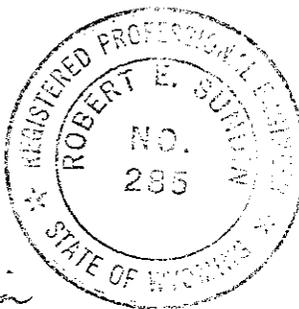
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William L. Garland

Administrator
Water Quality Division
April 14, 1981

Date of Issuance


Robert E. Sundin

Director
Dept. of Environmental Quality

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

cc:

M 4-29-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-150R

OLD FAITHFUL DOMESTIC WATER SYSTEM - PHASE II
(Name of Facility)

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

Superintendent Ronald N. Wrye

Yellowstone National Park

Yellowstone National Park, WY 82190

to construct, install, or modify a 0.8 MGD Water Treatment Plant

facility according to the procedures and conditions of the application

No. 81-150R. The facility is located in _____

49° 23' N, 110° 51' W

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

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

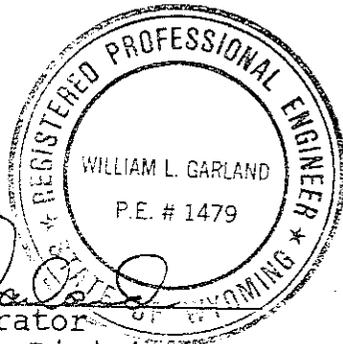
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

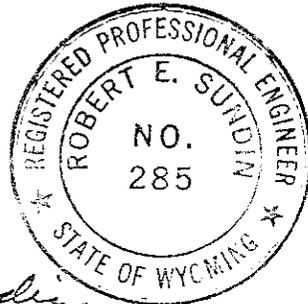
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Dept. of Environmental Quality

April 22, 1981
Date of Issuance

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

RC:nb

cc: National Park Service, Denver

COMMENTS:

The aforementioned project is authorized and permitted for construction. The following comments are given as confirmation of action to be taken by the engineer/owner.

- 1) All vents will be screened with a 16-mesh copper, brass or bronze screen.
- 2) The absorption bed will be graded with a level bottom.