



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

80-52 R

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-~~3047~~³¹⁴⁴

M E M O R A N D U M

TO: Jake Strohman

FROM: Robin Collins *M. Robin Collins*

DATE: May 8, 1980

SUBJECT: Review of Cody's Building Inspector's requested evaluation of K&M Joint Venture.

Based on the information provided by Cody's Building Inspector (enclosures), I feel the sewer and water extension for both the Henson and Skyline Subdivisions meet our minimum design standards.

Modifications in the decree should be given to Christan Mai.

MRC/kn

OFFICE OF THE ATTORNEY GENERAL

Capitol Building Cheyenne, Wyoming 82002 (307) 777-7841

MEMORANDUM

REPLY

TO M. Robin Collins, DEQ/WQD
933 Main Street
Lander, Wyoming 82520

DATE April 24, 1980

File No.: 3050-02-7918

People v. K & M Joint Venture, 1st Jud.

Dist. Docket 90, No. 77

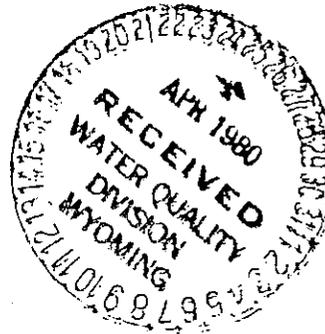
Dear Robin:

With reference to Earl Mather's letter of April 17, please work with Jake Strohman to arrive at some suggestions for the disposition of the action.

The suggestions should be referred to this office, and I will be contacting Jake with regard to modifications in the Decree. Thank you.

Christan P. Mai
Christan P. Mai, Asst. Attorney General

DATE



SIGNED

INSTRUCTIONS TO SENDER:

KEEP YELLOW COPY 2 SEND WHITE AND PINK COPIES WITH CARBON INTACT

INSTRUCTIONS TO RECEIVER

1. WRITE REPLY. 2. DETACH STUB, KEEP PINK COPY RETURN WHITE COPY TO SENDER

subject matter of this action and all the parties hereto, and that the Complaint herein alleges a claim against the Defendant under W.S. 35-11-901.

II.

Plaintiffs' First Claim

2. A permit to construct is required of any person prior to the construction, installation, modification or operation of a public water supply, sewerage system, treatment works or disposal system pursuant to W.S. 35-11-301 and Chapter III, Wyoming Water Quality Rules and Regulations.

3. On April 27, 1978, plans and specifications were received by the Water Quality Division of the Department of Environmental Quality, which were submitted on behalf of the Defendant K & M Joint Venture, Inc., for a permit to construct a public water supply and sewerage facilities for a subdivision known as the Skyline Subdivision, located in Lot 11, Block 4, Lot 68, T. 52 N., R. 102 W., City of Cody, Park County, Wyoming.

4. On May 3, 1978, the Water Quality Division of the Department of Environmental Quality received information that the public water supply and sewerage facilities for the above-described Skyline Subdivision had been constructed by the Defendant.

5. On June 20, 1978, the Defendant was informed that the permit sought could not be issued, and that construction was not authorized, but that a review for compliance with State standards would continue to be conducted.

6. On July 26, 1978, the Water Quality Division of the Department of Environmental Quality received additional

information regarding the plans and specifications for the Skyline Subdivision.

7. On September 26, 1978, the Defendant was informed that the permit sought could not be issued, that construction was not authorized, and that additional information was required for a complete review of the application.

8. Defendant has operated and continues to operate the public water supply and sewerage facilities in the Skyline Subdivision.

9. The construction, installation and operation by the Defendant of the public water supply and sewerage facilities for the Skyline Subdivision constitutes a violation by the Defendant of W.S. 35-11-301 and Chapter III, Wyoming Water Quality Rules and Regulations.

III.

Plaintiffs' Second Claim

10. On June 25, 1978, plans and specifications were received by the Water Quality Division of the Department of Environmental Quality, which were submitted on behalf of the Defendant K & M Joint Venture, Inc., for a permit to construct a public water supply and sewerage facilities for a subdivision known as the Henson Subdivision, located in Resurvey Section 32, T. 53 N., R. 101 W., City of Cody, Park County, Wyoming.

11. On June 27, 1978, the Water Quality Division of the Department of Environmental Quality informed the Defendant that the permit sought could not be issued, and that construction was not authorized.

12. On July 26, 1978, the Water Quality Division of the Department of Environmental Quality received additional

information regarding plans and specifications for the public water supply and sewerage facilities for the Henson Subdivision.

13. On September 15, 1978, the Water Quality Division of the Department of Environmental Quality informed the Defendant that the permit sought could not be issued, and that construction was not authorized.

14. On October 23, 1978, personnel of the Water Quality Division of the Department of Environmental Quality inspected the location of the Henson Subdivision and determined that the public water supply and sewerage facilities had been constructed by the Defendant.

15. The Defendant has operated and continues to operate the public water supply and sewerage facilities in the Henson Subdivision.

16. The construction, installation and operation by the Defendant of the public water supply and sewerage facilities for the Henson Subdivision constitutes a violation by the Defendant of W.S. 35-11-301 and Chapter III, Wyoming Water Quality Rules and Regulations.

ACCORDINGLY, IT IS HEREBY ORDERED, ADJUDGED AND DECREED THAT, pursuant to the above-stated facts, W.S. 35-11-301, W.S. 35-11-901 and Chapter III, Wyoming Water Quality Rules and Regulations, Defendant shall:

1. Pay an immediate and deferred penalty of TWENTY THOUSAND DOLLARS (\$20,000) in full settlement of the above-described violations, as follows:

a. THREE THOUSAND DOLLARS (\$3,000) of said penalty to be immediately paid to Plaintiffs, and

b. SEVENTEEN THOUSAND DOLLARS (\$17,000) of said penalty to be forfeited and paid to Plaintiffs only in the event of any further violation of W.S. 35-11-301 committed by the Defendant, provided that the Defendant shall not be subject to forfeiture or payment of such deferred penalty for any violation which may have occurred prior to the date hereof or which may occur subsequent to a period of three (3) years from the date hereof;

2. Be and is hereby ordered and enjoined from continuing any of the stated violations, provided that the injunctive relief granted herein shall not extend beyond three (3) years from the date of entry of this Consent Decree;

3. Neither install nor construct any further service connections to said public water supply and sewerage systems or other facility within the jurisdiction of the Department of Environmental Quality without receiving prior approval from the Water Quality Division of the Department of Environmental Quality; and

4. Repair or replace said public water supply and sewerage systems if personnel of the Department of Environmental Quality determine at any time that such systems are in violation of applicable standards of the Department of Environmental Quality, Water Quality Division.

IT IS FURTHER HEREBY ORDERED THAT:

5. For any other violation of applicable water quality laws, rules and regulations committed by the Defendant, and anything to the contrary contained herein notwithstanding, the right and authority of the People of the State of Wyoming to seek by appropriate action penalties, or other legal or equitable remedies authorized in accordance with law, shall not in

any manner be impinged upon or limited by this Decree;

6. The provisions of this Decree shall apply to and be binding upon the Defendant K & M Joint Venture, Inc., its officers, directors, agents, servants and employees; and all persons, firms and corporations acting under, through or for it who receive actual notice; and upon the State of Wyoming; and

7. Jurisdiction is retained by this Court for the purpose of enabling either of the parties to this Decree to apply to this Court at any time for any further orders and directions as may be necessary or appropriate for the effectuation of this Decree; for the modification, cancellation or termination of any of the provisions hereof; or for the enforcement of, compliance with and punishment of violations hereof.

DATED this 4th day of June, 1979.

Adam D. Johnson
District Judge

We hereby consent to the entry of the foregoing final judgment.

Christian P. Mai by Leonard
Christian P. Mai
Assistant Attorney General
State of Wyoming
123 Capitol Building
Cheyenne, Wyoming 82002
307-777-7841
ATTORNEY FOR PLAINTIFFS

Oliver W. Steadman
Oliver W. Steadman
Steadman & Steadman
P. O. Box 989
Cody, Wyoming 82414
307-587-3859
ATTORNEY FOR DEFENDANT

STATE OF WYOMING COUNTY OF LARAMIE
I, George H. [unclear], Clerk of District Court, do hereby certify that the foregoing is a true and correct copy of the original as the same appears in my office and that the same is a true and correct copy of the original as the same appears in my office.
Witness my hand and seal of office at Cheyenne, Wyoming, this 4th day of June, 1979.
George H. [unclear]
George H. [unclear]
Clerk of District Court
Patricia [unclear]
Deputy

Norma,

Steve Gerber

80-52R

SUBJECT K+M Joint Venture, # 80-52R	DATE Dec 18, 1985
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MESSAGE:

- Attached is a copy of a memo stating the above ~~application~~ project has met our minimum design standards. Also attached is a copy of the consent decree which made final resolution of this project. I would assume these documents would be satisfactory in closing it out. If you have any questions call.

ORIGINATOR-DO NOT WRITE BELOW THIS LINE

REPLY TO 

SIGNED

Steven P. Gerber

REPLY

DATE	SIGNED
------	--------

SEND PARTS 1 AND 3 INTACT-PART 1 WILL BE RETURNED WITH REPLY

RM-87

RETURN TO ORIGINATOR

THE CITY OF CODY

1338 RUMSEY AVENUE
CODY, WYOMING 82414

April 17, 1980

GEORGE FRANK, MAYOR
DON IRWIN
DICK SHAW
GARY PENDLEY
GLENN LIVINGSTON
RAY MENTOCK
WILLARD MINSKE

COUNCILMEN

APR 1980
RECEIVED
WATER QUALITY
DIVISION
WYOMING
1997
JAMES S. SMILEY
CITY CLERK-TREASURER
ROBERT D. OLSON
CITY ATTORNEY
C. EDWARD WEBSTER II
POLICE JUDGE
ROBERT L. HALL
CHIEF OF POLICE

Department of Environmental Quality
Water Quality Division
933 Main Street
Lander, Wyoming 82520

RE: Henson & Skyline Subdivisions,
Cody, Wyoming

Attention: M. Robin Collins, Dist. Eng.

Dear Sir:

Comments and details in response to the questions on the utility installation in the K & M Joint Ventures subdivisions - Henson and Skyline in the city of Cody, Wyoming.

ITEM 1: Henson Subdivision

- a. Material specifications, the PVC sewer line is Type SDR35.
- b. The size sewer line is eight inch.
- c. The vertical separation between the sewer and water lines is apparently three and four-tenths feet, the water line being the lower.
- d. Sewer station 37.6, separation distance, it is apparent from the location of manholes and valves that there is a ten-foot separation. Insure that one full length of water pipe is centered at the sewer line crossing, after questioning some City Water Department personnel and the plumbers who made the installation, I believe this to be true and all joints except taps and curb box connections are silver-soldered.
- e. Sewer line size, the sewer is eight inch at the manhole.

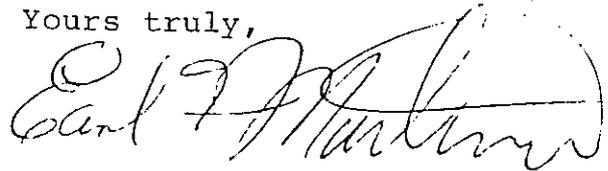
ITEM 2: Skyline Subdivision

- a. Sewer line size, the sewer is eight inch at the manhole.

Henson & Skyline Subdivision,
Cody, Wyoming
Page Two
April 17, 1980

ITEM 3: Bacteriological testing, I am having City personnel make these tests, results from a certified testing lab will be forwarded as soon as completed.

Yours truly,



Earl F. Mathers
Deputy Fire Marshal
Building Official

EFM:dao

cc: Christan P. Mai, Asst. Attorney General
Oliver W. Steadman, Attorney for K & M Ventures
Bud Kincheloe of K & M Ventures

THE CITY OF CODY

1338 RUMSEY AVENUE
CODY, WYOMING 82414

April 25, 1980

GEORGE FRANK, MAYOR
DON IRWIN
DICK SHAW
GARY PENDLEY
GLENN LIVINGSTON
RAY MENTOCK
WILLARD MINSKE
COUNCILMEN

JAMES S. SMILEY
CITY CLERK-TREASURER
ROBERT D. OLSON
CITY ATTORNEY
C. EDWARD WEBSTER II
POLICE JUDGE
ROBERT L. HALL
CHIEF OF POLICE



Robins Collins
Environmental Engineer
933 Main - Scheele Bldg.
Lander, Wyoming 82520

Sir:

The results for total Coli for Hensons and Meadow Lane Townhouses on April 24, 1980 were as follows:

A
0 Colonies
100 ml.

B
0 Colonies
100 ml.

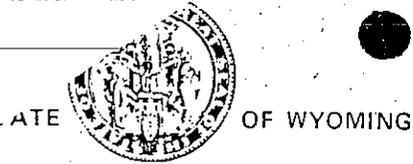
Samples were read April 25, 1980.

Tests were done by milipore membrane method.

Sincerely,

Charles R. Cline
Chief Operator Chemist
Water Treatment Plant
City of Cody

CRC:das



80-52R

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 7, 1980

Christian P. Mai
Assistant Attorney General
Capitol Building
Cheyenne, WY 82002

RE: Review Update of (1) Henson Subdivision and (2) Skyline
Subidivision - Cody, WY

Dear Sir:

On March 3, 1980 this office received the "as-built" plans for the aforementioned projects which were sent in response to my review letter to K & M Joint Venture dated February 13, 1980. Using my previous review as guidelines, I would like to offer the following numbered comments as a basis for any future requirement.

1. The several sets of plans we have received for these projects over the past several months indicates a contradiction on whether six inch or eight inch sewer lines were installed. I am therefore requesting that the City's present Building Inspector be given the opportunity to verify the size of the existing sewer lines for both subdivisions.
2. One of our concerns from a public health standpoint are the water/sewer crossings. It appears from the information submitted for the Skyline Subdivision that an adequate vertical separation distance (18 inches minimum) does exist for the indicated water/sewer crossings.

However, there seems to be inadequate separation distances for the Henson Subdivision, especially at sewer station 0+37.5. Therefore, I am also requesting that the City's Building Inspector be given the opportunity to examine this particular crossing in order to (a) verify the separation distance between the water main and the overlaying sewer and (b) insure that one full length of water pipe is "centered" so that both joints will be as far from the sewer as possible. The decision to require sewer encasement ten feet on both sides of this crossing will be based on the observations of the Building Inspector during this uncovering.

3. The specification cited in the plans for PVC sewer pipe does not deal with PVC pipe. Another ASTM specification which describes the sewer pipe used in these projects should be given.
4. Plans submitted to this office for review must be stamped with a professional engineer's seal, not an architect's stamp.
5. Because the City's Building Inspector who was cited as having observed the testing of the water and sewer lines is deceased and because no records of these results were kept, I would like to request that bacteriological tests at each subdivision site be run and submitted to this office.

I am sorry about any delays in this case by my recent correspondence with the owners, et.al. associated with these projects. Enclosed is the reply to my February 13, 1980 review letter. Any further correspondence received by me from K & M Joint Venture or their associates will be routed through your office for review and comments. I would appreciate being notified if there are any further changes in this policy. If you decide to forward my review comments, I would suggest the City's Building Inspector be so notified so that he can be aware of his part in this matter. He and I have previously discussed these requirements.

Respectfully,



M. ROBIN COLLINS, P.E.
Northwest District Engineer

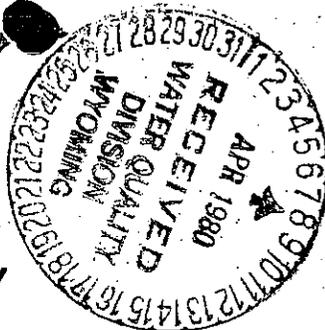
Enclosure

cc: Jake Strohman, DEQ/WQD, Cheyenne
City Building Inspector, Cody, WY
MRC/ms

FILE



THE STATE OF WYOMING



ED HERSCHLER GOVERNOR

Attorney General

CHEYENNE, WYOMING 82002
PHONE 307 777-7841

JOHN D. TROUGHTON
ATTORNEY GENERAL

In reply refer to:
3050-02-7918

April 7, 1980

Mr. Oliver W. Steadman
Steadman and Steadman
P.O. Box 989
Cody, Wyoming 82414

Re: People of the State of Wyoming v. K & M Joint Venture, Inc.,
1st Jud. Dist. Docket 90 No. 77

Dear Oliver:

In response to your letter of March 21, 1980, please be advised that the Water Quality Division review of the submitted plans has resulted in the following comments and suggestions.

1. Because the results of bacteriological testing do not exist, bacteriological tests at each subdivision should be run and submitted to the Division.
2. The specification cited in the plans for PVC sewer pipes does not deal with PVC pipe. Another ASTM specification which describes the sewer pipe used should be given.
3. It is requested that the Building Inspector for the City of Cody conduct the following review:
 - a. Verify the size of the sewer lines installed in both subdivisions; and
 - b. Within the Henson Subdivision, examine the sewer station at 0+37.6 to:
 - i. Verify the separation distance between the water main and overlaying sewer, and
 - ii. Insure that one full length of water pipe is "centered" so that both joints will be as far from the sewer as is possible.

By copy of this letter to the Cody City Engineer, he is being fully advised of these suggestions.

With the above information in hand, the Division should be able to set forth what modifications, if any, should be incorporated into the executed Consent Decree to insure full

*Department of Environmental Quality**Water Quality Division*

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 13, 1980

K & M Joint Venture
P.O. Box 1889
Cody, WY 82414

RE: Updated Engineering Review of (1) Skyline Subdivision
(Juniper Subdivision) and (2) Henson Subdivision -
Cody, Wyoming # 80-52

Dear Sirs:

At the request of our central office in Cheyenne, I have made an engineering review of the aforementioned "as built" projects and would like to offer the following comments on the deficiencies found during my study for your consideration and action.

1. There seems to be some question on whether a six inch or eight inch sewer was installed in the subdivisions. The six inch sewer line is smaller than our ("Ten State Standards") recommended eight inch minimum. We have made exceptions to this recommendation in the past provided no further expansions are planned and the hydraulic characteristics of the existing line can be shown as providing the necessary velocities to prevent solids deposition. However, no such data has been provided.
2. No blow-off valves at the end of the water main extensions were shown. The blow-off valve is generally used as a flushing device which can help prevent the accumulation of stagnated water at the ends of the water distribution system.
3. The practice of installing the water main and sewer line on the same building side is poor engineering practice because of the resulting water-sewer crossings. Such crossings are a public health concern because of the possible contamination of the public water supply. Because no special conditions for these numerous crossings (i.e. adequate vertical separation distances and/or sewer encasement specifications) were shown on the plans, we can only assume that a potential health hazard does exist for these developments.

4. The material and installation specifications for the water mains, sewer lines, manholes and service connections for both water and sewer were incomplete and/or totally missing.

The specifications for determining the "tightness" of the water mains and sewer lines were not provided. Also, the disinfection procedures for the water mains and the required deflection tests for the sewer were not indicated.

In short, the integrity of the water and sewer lines seems to be in question.

Because of the potential problem areas and deficiencies noted above, I do not recommend our Department's approval for any of the aforementioned projects without corrective actions. Such actions should include the following:

1. The submission of as-built drawings and complete material specifications for all projects is required. The proof of what has been installed should be the owner's responsibility.
2. Performance tests (i.e. sewer and water line leakage tests, sewer line deflection tests, and water bacteriological tests) must be satisfactorily performed in accordance with AWWA, Uni-Bell, ASTM, and "Ten States" standards.

Finally, the construction, installation, and/or modification of a wastewater system or a public water supply without a "Permit to Construct" from this Department is a violation of Section 35-11-301, part 3 and 5, of the Wyoming Environmental Quality Act as amended. Our files do not indicate that such permits have been issued for the Henson or Skyline (Juniper) Subdivisions. At present, legal actions are being pursued for these violations.

If further information is required or if you have any questions concerning this letter, please do not hesitate to contact us.

Respectfully,



M. ROBIN COLLINS, P.E.
Northwest District Engineer

cc: Jake Strohmman, DEQ/WQD, Cheyenne
Christian Mai, Assistant Attorney General, Cheyenne
Park County Planner, Cody
Oliver W. Steadman, Steadman and Steadman, Cody

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-53

COLLINS DRAW RESERVOIR #1

(Name of Facility)

This permit hereby authorizes the applicant:

Cleveland Cliffs Iron Company

(Last)

(First)

(Middle)

P.O. Box 3140

(Street or P.O. Box)

Casper, Wyoming 82602

(City)

(County)

(State)

to construct, install, or modify a wastewater evaporation reservoir

facility located in Section 35, T.43N., R.76W.

(Legal Description)

in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

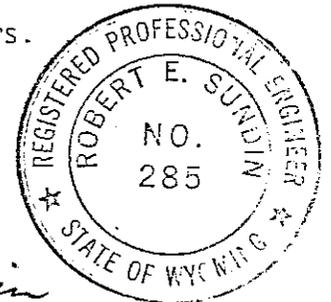
NOTE: See Attached Conditions

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 29, 1980
Date of Issuance

"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."

Conditions Attached to Permit to Construct
Collins Draw Reservoir #1
Reference No. 80-53

1. The Permittee shall monitor the reservoir's leak detection system as outlined on page MP-2.9 of the application.
2. The Permittee shall maintain records of such monitoring and make such records available to personnel of the Department of Environmental Quality upon request.
3. The Permittee shall report detection of any liquid in the leak detection stand pipe to the Department of Environmental Quality.

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

PERMIT TO CONSTRUCT

Handwritten notes:
1/11/80
2-20-80

New

Permit No. 80-54

Renewal

Modified

Equipment Renewal

(Name of Facility)

This permit hereby authorizes the applicant:

Herrmann, Ted. L.
(Last) (First) (Middle)

P.O. Box 339
(Street or P.O. Box)

Rock Springs, Wyoming 82901
(City) (County) (State)

construct, install, or modify a septic tank - holding tank

facility located in Sec. 5, T. 18 N., R. 105 W.
(Legal Description)

in the County of Sweetwater, in the State of

Wyoming. This permit shall be effective for a period of two years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 11, 1980
Date of Issuance

"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."

PERMIT TO CONSTRUCT

1/10/80
3/5/80

- New
- Renewal
- Modified

Permit No. 80-55

Reference No. 79-312

SLEEPY HOLLOW SUBDIVISION
 PHASE II WATER AND SEWER MODIFICATIONS

 (Name of Facility)

This permit hereby authorizes the applicant:

Suchor Investment Corporation

 (Last) (First) (Middle)

c/o Larson & Brimacombe
1901 Energy Court, Suite 120

 (Street or P.O. Box)

Gillette Campbell Wyoming 82716

 (City) (County) (State)

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

 facility located in Sections 7, 8, 17, 18, T.49N., R.71W.

 (Legal Description)

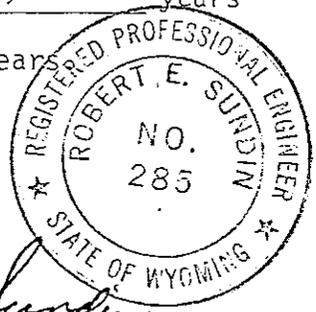
in the County of Campbell, in the State of
 Wyoming. This permit shall be effective for a period of two (2) years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



February 29, 1980

 Date of Issuance

"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."

cc: Nelson Engineering
P.O. Box 1599
Jackson, WY 83001
ATTN: Robert Farnsworth, P.E.

M
5-15-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-56RR
EPA C560125-94

Granger Sewage Treatment Plant
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Granger
(Last) (First) (Middle)

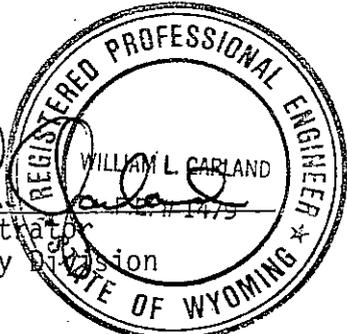
P.O. Box 42
(Street or P.O. Box)

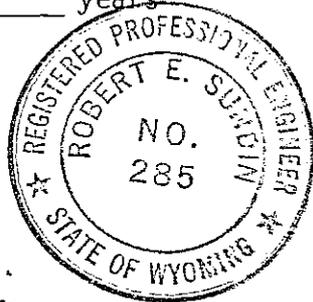
Granger, WY 82934
(City) (County) (State)

to construct, install, or modify a lift station, sewage collection lines, force main,
lagoon system
facility located in Sec. 28, T19N, R111W
(Legal Description)

in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


May 9, 1980
Date of Issuance

"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."

Norma
80-56



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 15, 1980

Honorable Fred Plocher
Mayor Town of Granger
P.O. Box 42
Granger, WY 82934

Re: Granger Wastewater Treatment
Plant Improvements
Grant No. C560125-94

Dear Sir:

This Department has reviewed the above referenced plans and specifications for completeness, technical and administrative adequacy pursuant to conformance with applicable State and Federal requirements. This letter is to advise you that the Plans and Specifications have been approved and that a permit to construct has been issued by this office.

A final Operation and Maintenance manual must be submitted and approved by this office before EPA approves the 90% grant payment for the construction grant. In addition the following requirements must be met: (1) A chief operator must be employed and on the site prior to 50% completion of the construction (2) EPA approved User charge system must be enacted by the Town prior to treatment works becoming operational (3) Sewer use ordinance must be approved by EPA prior to EPA approval of the 80% grant payment for construction.

A copy of this letter is being forwarded to Nelson Engineering for their information. Should you have any questions, please feel free to contact this office.

Sincerely,

Michael Hackett

Michael Hackett
Municipal Grants Coordinator
Water Quality Division

MH/mb

cc: Mr. Robert Farnsworth, P.E., Nelson Engineering
EPA Denver
Grant File

80-56

MEMORANDUM



TO : Paul Schwieger, Supervisor, DEQ, WQD, Cheyenne
FROM : ^{For} M. Lalin Callan, Dist. Eng., DEQ, WQD, Lander
SUBJECT: Granger WWTP

I have initiated the "Permit to Construct" process for Granger. Two minor items have been cleared up by phone (before paperwork) with Bob Farnsworth, Nelson Engineering.

- 1.) A combination air valve will be used instead of the air-vacuum valve. The combination air valve will release air under pressure.
- 2.) The design loadings for the pre-cast lift station were left out. Farnsworth quoted the loadings on the phone.

<u>Equivalent Fluid Lateral Pressure</u>	
0-12 ft.	60 lbs/ft ²
12-bottom	110 lbs/ft ²
Footing Load	3,000 lbs/ft ²

I have no problem accepting either the "as designed" river crossing or a crossing using restrained ball joint pipe.

cc: Culp/Wesner/Culp
P.O. Box 40
El Dorado Hills, CA 95630

M-6-16-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-57RR
EPA C560114-94

Green River, Wyoming - Municipal Wastewater Treatment Plant
(Name of Facility)

This permit hereby authorizes the applicant:

City of Green River
(Last) (First) (Middle)

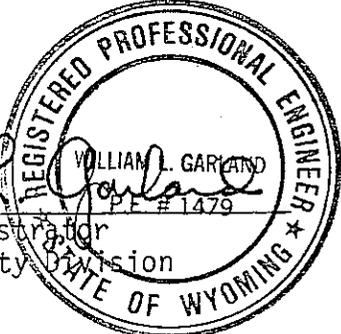
P.O. Box 127, 50 East Second North Street
(Street or P.O. Box)

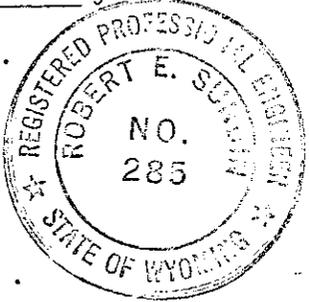
Green River, WY 82935
(City) (County) (State)

to construct, install, or modify a new administration building, additional blowers,
improvements to existing lagoons, intermittent sand filters, and effluent pumping station
facility located in Sec. 26, T18N, R107W
(Legal Description)

in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sartin
Director
Wyoming Dept. of Environmental Quality


June 4, 1980
Date of Issuance

"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 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

June 13, 1980

Mr. William H. Hornberg
Office of Public Facilities and Grants
U.S. EPA, Region VIII
1860 Lincoln Street
Denver, CO 80295

Re: Green River, Wyoming S.T.P.
Grant No. C-560114-94

Attn: Mr. James Brooks

Dear Mr. Brooks:

Enclosed are comments received by this office from Culp/Wesner/
Culp, A-E for the Green River Wastewater Treatment Plant Improvement
Project, in regard to the Corps of Engineers review for biddability/
constructability.

This office feels that all C.O.E. comments have been adequately
addressed/corrected by the Engineer and that the revised Plans/Specif-
ications are now approvable.

Sincerely,

Michael Hackett

Michael Hackett
Municipal Grants Corrdinator
Water Quality Division

MH/pb

Enclosures

cc: Culp/Wesner/Culp
Grants file



CULP / WESNER / CULP

POST OFFICE BOX 40

EL DORADO HILLS, CALIFORNIA 95630

TELEPHONE (916) 677-1695

June 11, 1980
330/C

Wyoming Department of
Environmental Quality
401 - 19th Street
Equality State Bank Building
Cheyenne, WY 82002

ATTN: Mr. Mike Hackett

Dear Mr. Hackett:

In response to your recent telephone conversation with Mr. Bud Benjes of our office regarding Corps of Engineers comments on the Green River project. I spoke with personnel at the Corps' Omaha office concerning their comments. The gist of the conversation follows. Our responses are referenced to the comments in the Corps' Biddability/Constructability Review transmitted with Mr. R. G. Burnett's letter of 7 March, 1980 to Mr. William H. Hamberg of EPA-Region VIII.

List of items labeled "IMPORTANT"

1. Sand filter piping is shown in more detail on sheets 19 and 20.
2. There is a legend on sheet 3 to indicate compacted and granular embedment.
3. On page 00020-1, the basis of bids has been edited to be lump sum only.
4. Page 00700-9 and 10, paragraphs 6.03.A. explains more fully procedures and responsibilities for substitutions.
5. Footing reinforcement has been added to section 1 on sheet 6.
6. Headwall side wall reinforcement has been called out on section 2 on sheet 23.
7. An electrical legend has been added to sheet 25.
8. Electrical circuits sizes are shown on the one-line diagrams.
- 9a. In general circuit routing and sizes were not shown on floor plans because the information necessary for the electrician to build the project is included on the one-line diagrams (See sh. 29). It is the intent to permit the contractor to route the conduit within established parameters as he is able to do this better in the field than an engineer can in the office. We believe this will result in a better and less costly job.

OFFICES IN THE SACRAMENTO AND LOS ANGELES AREAS



Mr. Mike Hackett
June 11, 1980
330/C
Page 2

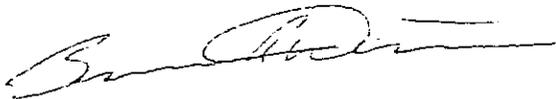
- 9b. Note 1 has been added to sheet 26.
- 9c. The symbol "G" has been defined as "Ground Fault Interrupter" on Lighting Panel L4 on sheet 26.
- 9d. Load figures have been added to Lighting Panel L4 on sheet 26.
- 9e. Lighting Panel L3 has had a ground connection added to the secondary side of the lighting transformer on sheet 26.
- 9f. The Power Panel one-line has been completed on sheet 26.
- 10. The asterisk on the schematics on sheets 26, 27, and 2 is defined on sheet 25 as "control device remote from starter."
- 11.a.b.c. The roof drainage system shown on sheet 8, section 3 has been completely revised to eliminate the problems discussed.
- 11d. Rigid insulation thickness is defined in Section 07200, page 2, paragraph 2.01.A.1.
- 12. Sub-base is existing soil prepared as specified in Section 02500, paragraph 3.01.

List of items labeled "PLANS/SPECIFICATIONS DISCREPANCIES"

- 1. Insulation vapor barriers are specified in Section 07200.
- 2. Subsurface soil data has been bound into text behind page 00220-1.

We hope our responses are satisfactory.

Very truly yours,



Bruce R. Winsor, P.E.

BRW:sh



80-57

Ken [initials]
Mike [initials]

201 File

MEMORANDUM

TO : Paul Schwieger, Grants Supervisor, DEQ/WQD, Cheyenne
FROM : ^{Dwb} David W. Hill, District Engineer, DEQ/WQD, Lander
SUBJECT : Green River WWTP - C-W-C letter of March 28, 1980.

39

I have gone over the C-W-C responses to WQD comments and have no problem with them. I did make a detailed analysis of the C-W-C design calculations and thought they did an excellent job using current design methods.





Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Ken Kulas
FROM: Dave Hill
SUBJECT: Green River WWTP

3

Process Considerations

- 1) A recycle line should be considered from the existing aeration basin effluent structure back to the influent wet well. This could improve plant performance by recycling floc back to the head end.
- 2) Can the new three cell aerated lagoon completely handle the treatment by itself without using the existing aeration basins. Energy wise, it may be more cost effective to do this.
- 3) Design calculations are needed for calculating aeration, blower sizes, etc. for the aerated lagoon system. This was done for the preliminary design but would like to obtain calculations again for assurance.
- 4) Washdown water should be available for the existing aeration basins and at the effluent pumping station.
- 5) The rolling filter faces toward the prevailing wind. Fugitive dust has been a real problem in Green River. Would placing the filter on the south wall and/or including a semi-baffling system help lessen the direct dust load on the filter?
- 6) This office is concerned about proper chlorine mixing and contact time. Is better mixing and a contact chamber needed to insure adequate disinfection?
- 7) Chlorine leak detector needed in chlorine room.
- 8) Is chlorine room vented from near the floor by fan?
- 9) Why the elaborate sand filter piping scheme? What is the purpose of connecting the filter influent piping directly to the effluent piping? Backwashing? Influent line drainage? Please Explain. If the purpose is for influent line draining, why not use air/vacuum relief valves or even an open line to the surface at the end of each influent run (2) and connect the influent line to the main collection line near the pump station. This would save a lot of money in pipe and valves.

- 10) No lining or impervious bottom is planned for the sand filters. Are problems with pumping out river water expected during periods of high water level in the Green River, or is the existing soil permeability so low this won't be a problem? Please supply information.
- 11) Is a sluice gate or other positive shut-off needed between Aerated Cell #3 and the first non-aerated cell.
- 12) Is a selective drainoff and level control structure desirable for cell #3? There may be times when the effluent can meet secondary without the sand filters.
- 13) Detail is suggested for MH #3 for connecting new piping and temporary bypass piping.

Other Comments

- 1) Question the need for a complex sprinkler system and full blown landscaping. PP&L water is expensive and the town may not use it. A more moderate system should be considered.
- 2) The pre-engineered buildings look good. But, as discussed, the stone aggregate panels are flamboyant and are not needed.
- 3) Use full R-38 insulation in the ceilings of the administration and effluent pump station building.
- 4) This office requests a soil report submission for foundations.
- 5) I don't think an automatic composite sampler is needed for Green River.
- 6) I question the need for such a full blown laboratory.
- 7) Is a new jib crane really needed? Can the existing A-frame setup be modified to work better?
- 8) How does engineer propose to remove effluent pumps? By rented crane? An outside hoist might be considered.
- 9) Section 02618 Corrugated Metal Pipe. Recommend specs for touching up slight damage on pipes.
- 10) Section 02748 1.03 A.2. Recommend selecting a minimum number of sieve analysis to be performed on in-place sand and gravel. Because owner will make tests, contractor need not know number, but let us know how many are proposed.
- 11) Handholds should be installed on the walls above the hatches to the three sumps in the effluent pump building.
- 12) Is additional filter sand to be stored or stock-piled for future use?
- 13) Section 14390. Filter sand cleaner. I am very concerned about the cleaning heads ability to minimize sand entrapment and wasting. It's my opinion a Field Quality Control Test should be performed before final acceptance. (i.e.,--use Performance Requirement D.)



Department of Environmental Quality

Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Green River Grant File

FROM: Mike Hackett *MFA*

DATE: March 20, 1980

SUBJECT: Step II Plan & Specification Review Comments

General Comments

Are sand filters to be a mechanical or biological treatment process? If biological, what will chlorination prior to sand filters do to the bugs in filters?

Additional fire extinguishers should be provided at maintenance work shop, storage room, garage, pump station, blower building, etc.

Is waterproofing of manholes to be a contract requirement?

Sheet 2

Why is Design year 1985 for Design criteria?

What are the groundwater levels and normal flow level in Green River?

Sheet 5 & 13

Pre-cast panels add significantly to cost of Administration Building (i.e., pre-cast, metal supports, gutter system, de-icing tape). Why not an aluminum fascia which would compliment metal wall panels? Also, pre-cast section is missing from specs.

Sheet 7

Sections 2/7, 3/7, 5/7, 4/7, and 6/7 should be 2/8, 3/8, etc.

Sheet 8

Should indicate caulking around window, door and louver frames.

Seismic zone is either a II or III.

Sheet 11

Why acoustical ceiling and sound insulation in intake plenum?

Sheet 12

How is jib crane base connected to concrete foundation?

Is building exhaust fan located at most advantageous point to exhaust areas over the contact chambers?

Sheet 14

Sections 2/15, 3/15, 4/15, 5/15 not located.

Section 2/16 should be 2/15.

What is steel stilling well to be used for?

Sheet 15

Sections labeled as being .../14 should be .../15.

Corner Detail A/14. Location of structural stl. bldg. column does not agree with location as shown on sheet 15.

How are door frames to be connected to metal bldg. walls?

Section 2 & 3 -- Why no footing under chlorine storage?

Section 02480

Landscaping

Is seed mixture in compliance with Wyoming Seed Law? Seed should be purchased through a dealer licensed with Wyoming Department of Agriculture.

Section 02601

Manholes

What happens if groundwater is above mid-point of manholes as regards to testing?



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

3

M E M O R A N D U M

TO: Green River Grant File
FROM: Ken Kulas
DATE: March 17, 1980
SUBJECT: Step II plan and specification review comments

GENERAL

- 1) Number all valves and sluice gates on drawings for use in O & M manual.
- 2) Bypass - diversion structure between parshall flume and raw sewage pumping for power failure at pumping station.
- 3) Emergency power generation for final effluent lift station.
- 4) Is additional laboratory equipment necessary to perform the necessary tests?
- 5) Does the plant need additional hand tools to perform mechanical maintenance?
- 6) Is corrugated metal piping a suitable material for soil conditions? Will it last 20 years?
- 7) All subsurface valves should be marked with post, identified by a number for location under snow cover.
- 8) Provide spare parts for critical equipment.

Sheet # PLANS

- 1 Is 1" portable water line to effluent pumping station large enough to furnish washdown water.
- 1 No outlet structure from existing polishing pond #1 as shown in Flow Schematic on sheet 2. 
- 2 Put line from aeration cells 1, 2 & 3 outfall structure to polishing pond #2.
- 2 Use multiple level drawoffs from polishing ponds, (subsurface).
- 2 Bypass line between parshall flume and raw sewage pumping station to Aeration cell #1.
- 2 Identify diversion structures by number on flow schematic.
- 2 Line from aeration cell #1 to aeration cell #2 not shown as on sheet 1.
- 2 Flow schematic - sand filter bypass between influent chamber and effluent wet well not shown.
- 2 Wier structures 1, 2 & 3 (Hydraulic profile) - identify in flow schematic, if new structures there are no details presented.
- 3 What is the purpose of 4" flap valve in meter vault?
- 3 Forced air ventilation of meter vault.
- 3 How does the operator work on a backflow preventer 7 feet off the floor?
- 4 Sprinkling system and landscaping is extravagant. Sprinkling system will be approved only if final effluent is suitable for irrigation. Landscaping should be accomplished with plants adaptable to the local climate.
- 4 Please furnish cost estimate for sprinkling system and landscaping.
- 7 One washroom is sufficient.
- 8 Ceiling insulation R-30, walls R-19.
- 9 Vacuum breakers on all laboratory spigots.
- 9 What about shelves for reagent storage?
- 10 Use 40 or 50 gallon gas water heater, not 100 gallon.
- 10 Is water softener necessary? What is hardness of water supply?
- 10 Acid resistant pipe all the way to the manhole.

- 11 Question the need for butterfly valve on blower discharge line with a check valve.
- 14 Capacity of chlorination system is marginal with two 150 lb cylinders, inadequate if chlorinating before sand filters.
- 14 Provide Cl_2 leak detector.
- 14 More chlorine storage for full and empty cylinders.
- 14-15 Insufficient Cl_2 contact time.
- 16 All chlorine cylinders, empty or full, should have safety chains.
- 16 Provide hydraulic hand truck to lift Cl_2 cylinders onto the scale.
- 16 Provide visual and audible alarm for chlorine leak.
- 16 Provide force air ventilation for effluent wet wells.
- 17 Need splash pad on diversion structure #4.
- 29 Provide high bearing temperature shut down on 100 hp blowers with alarm function to alarm telemetry system.

4-11-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 10, 1984

Overland Dome Petroleum Company
9 Exchange Place, Suite 409
Salt Lake City, UT 84111

Dear Sir:

On February 27, 1984, a status letter was sent to you concerning a permit to construct, reference number 80-58, facility name Overland Dome Petroleum Company Sewage Collection and Disposal System Serving Mobil Homes and Office, Carbon County, Wyoming. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

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

LCF/nc

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

Project: Overland Dome Petroleum Company.
80-58

On 9 April 84, I called Chuck Fournier, Wyoming Oil & Gas Commission, to determine if Overland Dome Petroleum was still operating in Carbon County. He indicated company has been non-active for past two years and facilities have been removed. Therefore, I will return original application to Overland Dome.

Shay Weaver
10 Apr 84

2-28-84



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 27, 1984

Overland Dome Petroleum Company
9 Exchange Place, Suite 409
Salt Lake City, UT 84111

Dear Sir:

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

Facility name:	Overland Dome Petroleum Company Sewage Collection and Disposal System Serving Mobil Homes and Office - Shop Building, Classic Mining Corporation, Carbon County, Wyoming
DEQ/WQD Reference Number:	80-58
Engineering Consultant:	Robert Jack Smith & Associates
DEQ/WQD Reviewing Engineer:	Robert Pinther
Date of DEQ/WQD Review:	March 20, 1980

The application and submitted plans for the "as built" construction were incomplete. A review letter, dated March 20, 1980, was sent to your office requesting additional information. No response was received by the Water Quality Division.

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

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

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

Sincerely,



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

LCF/nc

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

1507

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~SEWERAGE AND SANITATION DIVISION~~ Hathaway Building
Cheyenne, Wyoming 82002

PROJECT: Overland Dome Petroleum Co. Sewage Collection and Disposal System Serving Mobile Homes and Office-Shop Building, Classic Mining Corp, Carbon County.

ARCHITECT OR ENGINEER: Robert Jack Smith & Associates, Inc. Rawlins, WY

WATER QUALITY DIVISION REFERENCE NUMBER: 80-58

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: March 20, 1980

ACTION: Reviewed "As Built" plans to determine compliance with State Regulations and Standards.

COMMENTS:

1. Detail plans including profiles were not submitted.
2. The plans indicate that the horizontal and vertical separation between the water distribution system and the sewage collection system is unknown. Required separation distances between all water and sewer lines are set forth in the enclosure entitled, "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".
3. The diameter of the sewer lines is shown on the plans as 3 inches. The minimum permissible diameter of sewer collector lines in mobile home parks is 6 inches.
4. Manholes are not provided at changes in direction of the sewer collector lines.
5. Details of typical water and sewer risers* are not shown.
6. Slopes of sewer lines are not indicated.
7. The required infiltration, exfiltration and lamping tests were not done because manholes were not constructed.
8. The locations of individual water and sewer risers in respect to each other were not shown.
9. Specifications were not submitted covering the laying of water and sewer lines.
10. Are the polyethylene water lines of the non-toxic type bearing the seal of approval of the National Sanitation Foundation?

*See enclosed Appendix A, Chapter III, Wyoming Water Quality Rules & Regulations.

Ovrland Dome Petroleum Co.
Sewage Collection and Disposal Systems,
Classic Mining Corp. Plan Review
DEQ/WQD Ref. No. 80-58
March 20, 1980
Page two

11. The Combination Septic Tank/Leach Pit method of sewage disposal is not acceptable.

Note: See enclosed Appendix B, Chapter III, "Minimum Design Standards for Small Wastewater Facilities".

12. In calculating the sewage flow, 3.5 people per mobile home should be used.

13. How many mobile home unit spaces are provided?

Note: It appears a sewer service line, but not water service line, serves an unoccupied unit space.

14. The water distribution system is only 3/4 inches in diameter. The required minimum diameter is 2 inches.

Enclosures

cc: Paul McCarthy
Robert Jack Smith & Assoc.
Box 1104
Rawlins, WY 82301

11-20-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-59
Ref. No. 79-676

Town of Saratoga
Sixth Street Sewer Replacement
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Saratoga
(Last) (First) (Middle)

Joint Impact Board
Box 486
(Street or P.O. Box)

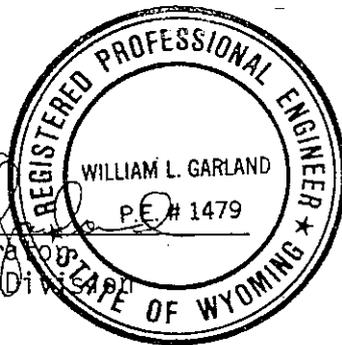
Saratoga, WY 82331
(City) (County) (State)

to construct, install, or modify a sewage collection system
facility located in Sec. 11, T17N, R84W
(Legal Description)

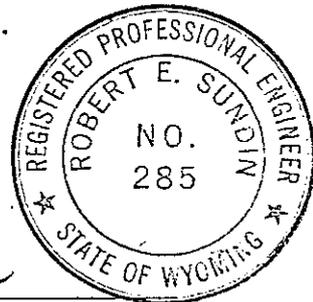
in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 15, 1980
Date of Issuance

"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 STATE OF WYOMING



80-60R

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 19, 1980

Marvin & Tom Reed
P.O. Box 3654
Casper, WY 82602

Dear Mr. Reed:

The Water Quality Division of the Department of Environmental Quality has completed an engineering review of the "as built" construction plans for the Marvin Reed residence small subsurface wastewater treatment facility located in Parcel A of Lot 12, Henries Ranchettes, Section 31, T34N, R77W, Natrona. We have found that the "as built" construction does meet minimum State standards. Since a Permit to Construct cannot be issued for "as built" facilities, this letter will serve as your approval document.

Sincerely,

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

LeRoy C. Feusner, P.E.
Southeast District Supervisor

cc: James R. Graves

LCF/tsb

M
2-15-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~STATE OFFICE~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Marvin & Tom Reed (As Built), Natrona Co.

ARCHITECT OR ENGINEER: James R. Graves, 3100 Sinclair Place, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-60

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

DATE OF REVIEW: February 15, 1980

ACTION: Review of As Built Plans for Compliance with Minimum State Standards

COMMENTS:

1. Provide detail on sewer line riser connections to mobile homes.
2. What is depth of bury for sewer line?
3. Provide detail drawing for leach field construction, including profiles.
4. Indicate distance from property lines.

PERMIT TO CONSTRUCT

1740
2 27-80

New

Permit No. 80-61R

Renewal

Modified

Lovell's Water System Improvements
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Lovell
(Last) (First) (Middle)

336 Nevada Avenue
(Street or P.O. Box)

Lovell WY 82431
(City) (County) (State)

to construct, install, or modify a wastewater storage tank foundation and water line improvements
facility located in Section 15, T. 56N., R. 96W.
(Legal Description)

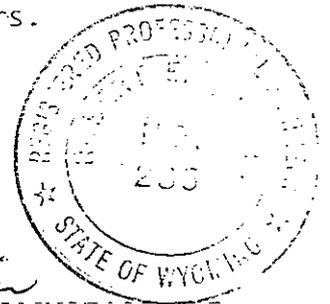
in the County of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 19, 1980
Date of Issuance

"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."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
 933 MAIN STREET,
 LANDER, WYOMING, 82520.

(307) 332-3144

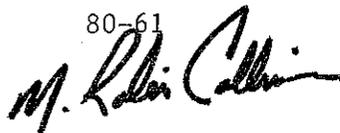
PROJECT: Water System Improvements (Water Storage Tank Foundation and Water Line Improvements), Lovell, Wyoming

ENGINEER: Sanderson/Stewart/Gaston
 1629 Ave. D
 Billings, Montana 59102
 ATTN: Jerry Gaston, P.E.

OWNER: Town of Lovell
 336 Nevada Ave.
 Lovell, WY 82431

WATER QUALITY DIVISION REFERENCE NUMBER: 80-61

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



DATE OF REVIEW: February 14, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: Jerry, as a follow up to my phone conversation with your office today, I would like to offer the following comments for your consideration in processing the necessary permit:

1. Could you please verify the locations of the fire hydrants along the proposed water line improvements route. I am a little confused as to the spacing between the existing and proposed fire hydrants. Generally, hydrants should be provided at each street intersection (generally 350-600 foot spacing).
2. What is the horizontal separation distance between the water main and sanitary sewer on Ninth Street between Kansas Avenue and Jersey Avenue?
3. I would recommend a thrust block be provided at the base of the water main located at the bottom of the hill from the water storage tank.

Also, as an added safety factor, I would recommend consideration be given to the use of restraint couplings for the water main at both Globe Canal crossings and as it declines down the hill from the storage tank.

If further information or clarification is required, please do not hesitate calling us. We look forward to your reply.

cc: James D. White
City Engineer
P.O. Box 250
Torrington, WY 82240

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-62
Ref. No. 79-475R

Hill Ridge Municipal Water Booster Station
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Torrington
(Last) (First) (Middle)

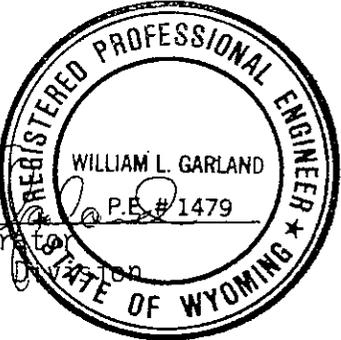
P.O. Box 250
(Street or P.O. Box)

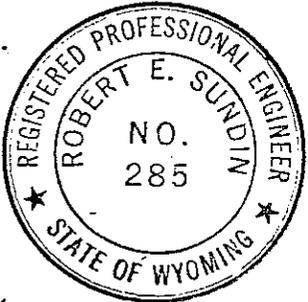
Torrington, WY 82240
(City) (County) (State)

to construct, install, or modify a municipal distribution system
facility located in Sec. 10, T24N, R61W
(Legal Description)

in the County of Goshen, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

February 15, 1980
Date of Issuance

"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."

cc: Mike McDill
507 Rohan
Gillette, WY 82716

PERMIT TO CONSTRUCT

New

Permit No. 80-63

Renewal

Modified

ROBERT BEUNGER WAREHOUSE SEPTIC SYSTEM

(Name of Facility)

This permit hereby authorizes the applicant:

Buenger
(Last)

Robert
(First)

L.
(Middle)

2201 Wolff Road

(Street or P.O. Box)

Gillette
(City)

Campbell
(County)

Wyoming 82716
(State)

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

facility located in Lot 3, Block 3, Interstate Industrial Park
Section 24, T.50N., R.72W.

(Legal Description)

in the County of Campbell, in the State of

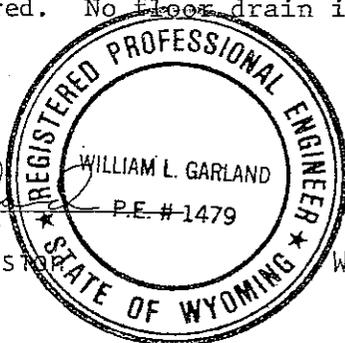
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

NOTE: The application does not show a floor drain from the warehouse, nor does it indicate the materials to be stored. No floor drain is to be connected to this septic system.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 11, 1980
Date of Issuance

"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."

cc: Johnson, Fermelia & Crank, Inc. PERMIT TO CONSTRUCT
P. O. Box 1633
Rock Springs, WY 82901

APR 12 1980

New

Permit No. 80-64

Renewal

Modified

Golf Course No. 1

(Name of Facility)

This permit hereby authorizes the applicant:

City of Rock Springs (Last) (First) (Middle)

P. O. Box 1030
(Street or P.O. Box)

Rock Springs (City) WY (County) 82901 (State)

construct, install, or modify a septic tank - leach field

facility located in Section 10, T. 19N., R. 105W.
(Legal Description)

in the County of Sweetwater, in the State of

Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

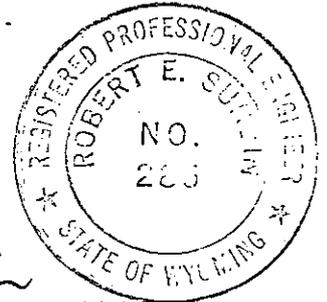
William L. Garland
Administrator
Water Quality Division



Robert E. Surdin

Director

Wyoming Dept. of Environmental Quality



February 20, 1980
Date of Issuance

"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."

cc: Indo-American Engineering
Box 1813
Rock Springs, WY 82901
Attn: Jack E. Hansen, P.E.

PERMIT TO CONSTRUCT

New Permit No. 80-65R
 Renewal
 Modified

APACHE HILLS PLAN UNIT DEVELOPMENT

(Name of Facility)

This permit hereby authorizes the applicant:

Town West Partners

(Last) (First) (Middle)

405 Winterhawk Drive

(Street or P.O. Box)

Rock Springs Wyoming 82901

(City) (County) (State)

to construct, install, or modify a wastewater collection
facility located in Sec. 22, 23, & 27, T. 19 N., R. 105 W.
(Legal Description)

in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years

AUTHORIZED BY:

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

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

March 31, 1980
Date of Issuance

"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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.

(307) 332-3144



PROJECT: Apache Hills Plan Unit Development
Sec. 22, 23, 27, T. 19 N., R. 105 W., Rock Springs, WY

ENGINEER: Jack E. Hansen, P.E.
Indo American Engineering
P.O. Box 1813
Rock Springs, WY 82901

OWNER: Town West Partners
405 Winterhawk Dr.
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 80-65

REVIEWING ENGINEER: David W. Hill, P.E.

DATE OF REVIEW: March 5, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

General

1. A letter is needed from the City of Rock Springs indicating that sewer service will be provided for this development.

Sewer Lines

2. Will the sewer be installed at least 18 inches under the water line at the crossing on Winterhawk Drive? If not, special details (drawings and/or specifications) are needed for this crossing such as water class pipe for the sewer line within the ten feet distance from the water main.

Water System

3. I assume P.P. & L. will submit the application for the water system. Am I correct?

(A,C)

PERMIT TO CONSTRUCT

M 402
2-27-80

- New
- Renewal
- Modified

Permit No. 80-66

Nielson Enterprises, Inc. Wastewater Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

Nielson Enterprises, Inc. (Secretary Treasure, Robert L. Snyder)
(Last) (First) (Middle)

1825 Big Horn Avenue
(Street or P.O. Box)

Cody WY 82414
(City) (County) (State)

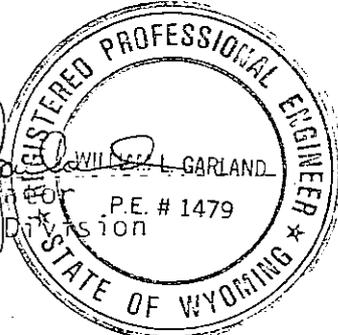
to construct, install, or modify a septic tank/leach field

facility located in Section 5, T. 52N., R. 101W.
(Legal Description)

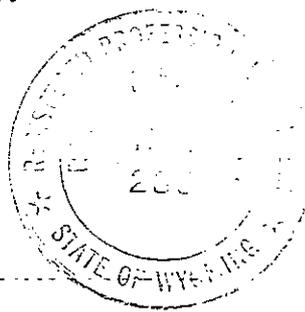
in the County of Park, in the State of

Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William J. Garland
 Administrator
 Water Quality Division
 P.E. # 1479


Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



February 19, 1980
Date of Issuance

"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."

cc: Darrell L. Deterding
121 W. 15th Street
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-67 R

Union Pacific Railroad Company, Laramie, WY
(Name of Facility)

This permit hereby authorizes the applicant:

Union Pacific Railroad Company
(Last) (First) (Middle)

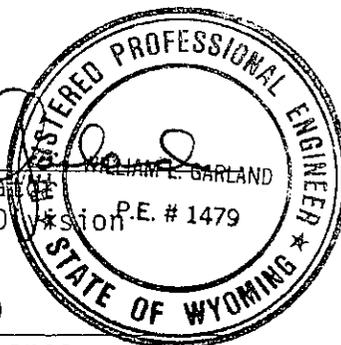
121 W. 15th Street
(Street or P.O. Box)

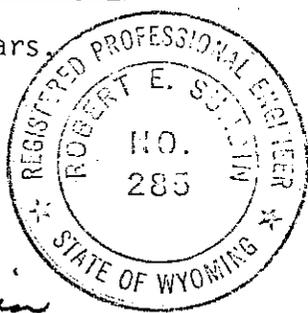
Cheyenne, WY 82001
(City) (County) (State)

to construct, install, or modify a industrial water distribution system
facility located in Sections 29 & 32, T16N, R73W and Sections 5 & 8, T15N, R73W
(Legal Description)

in the County of Albany, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division P.E. # 1479


Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality


March 17, 1980
Date of Issuance

"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."

M. 25-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Building
Cheyenne, Wyoming 82002

PROJECT: Union Pacific Railroad Company, Laramie, Wyoming, Albany County

ARCHITECT OR ENGINEER: Darrell L. Deterding, P.E.
121 W. 15th Street, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 80-67

REVIEWING ENGINEER: Frank R. Harman, M.S., P.E. *Frank R. Harman*

DATE OF REVIEW: February 25, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. No material/construction specifications accompanied the plans. Submit specifications covering the project. You may reference the Wyoming Public Works Material/Construction Specifications for water main construction, if desired. Place a note on the plans reflecting this reference.
 - a) The procedure for post-construction of chlorination of the pipe lines is to be included in the specifications.
2. Section, Range and Township of project are not included in "Location" on application form.
3. Detail of typical fire hydrant proposed to be installed to be submitted.

cc: W. J. Nelson
City of Laramie
P.O. Box C
Laramie, WY 82070

01 2: 80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-68
Ref.No. 79-705R

North 3rd Street Water Improvements 1980
(Name of Facility)

This permit hereby authorizes the applicant:

City of Laramie
(Last) (First) (Middle)

P.O. Box C
(Street or P.O. Box)

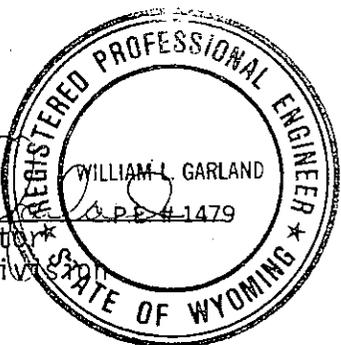
Laramie, WY 82070
(City) (County) (State)

to construct, install, or modify a municipal distribution system
facility located in Sec. 28, T16N, R73W
(Legal Description)

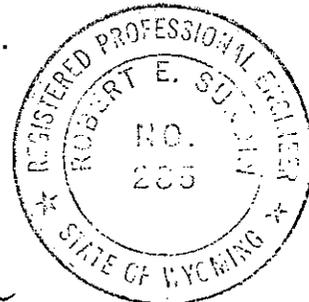
in the County of Albany, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 15, 1980
Date of Issuance

"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."

PERMIT TO CONSTRUCT

New

Permit No. 80-69

Renewal

Modified

SUTHERLAND ESTATES, PHASE 5

(Name of Facility)

This permit hereby authorizes the applicant:

Vanscey Construction Company

(Last)

(First)

(Middle)

P.O. Box 3003

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

Wyoming 82716

(State)

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

facility located in Section 33, T.50N., R.72W.

(Legal Description)

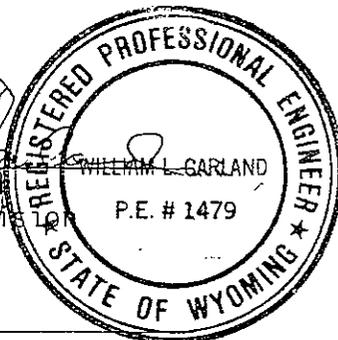
in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

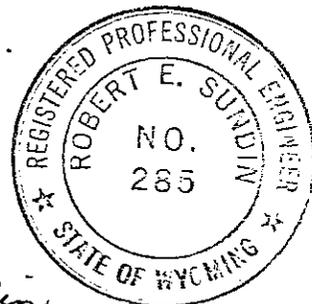
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 7, 1980
Date of Issuance

"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."

cc: Terry Titus
Worthington, Lenhart & Carpenter
632 S. David
Casper, WY 82601

PERMIT TO CONSTRUCT

3-18-80

- New
- Renewal
- Modified

Permit No. 80-70

Sunrise Hills #8 Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Board of Public Utilities
(Last) (First) (Middle)

200 N. David
(Street or P.O. Box)

Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a public water and sewer
facility located in SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 29, T33N, R79W
(Legal Description)

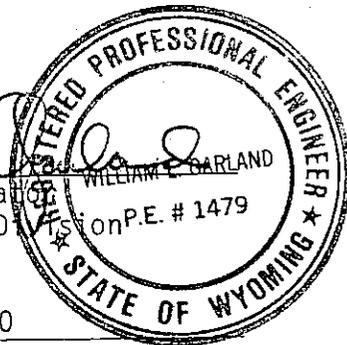
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

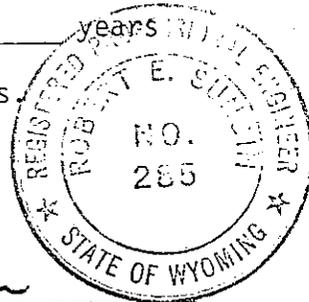
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 18, 1980
Date of Issuance

"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."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

New

Permit No. 80-71R

Renewal

NOTE THE ATTACHED COMMENT.

Modified

Thermopolis Water Storage Tank and Water Line
(Name of Facility)

This permit hereby authorizes the applicant:

City of Thermopolis - Agent James G. Gores
(Last) (First) (Middle)

P.O. Box 603
(Street or P.O. Box)

Thermopolis, Wyoming 82443
(City) (County) (State)

construct, install, or modify a one million gallon water storage tank and water line facility located in Sec. 35, T. 43 N., R. 95 W.
(Legal Description)

in the County of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit not to exceed five (5) years.

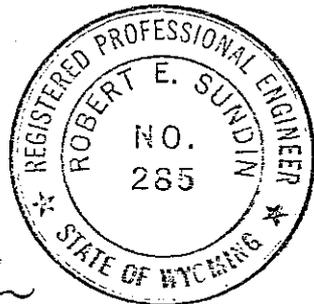
AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin

Director
Wyoming Dept. of Environmental Quality



March 7, 1980
Date of Issuance

"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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Thermopolis Water Storage Tank and Water Line

ENGINEER: ARIX
625 East Madison
Riverton, WY 82501
ATTN: James C. Gores, P.E.
OWNER: City of Thermopolis
P.O. Box 603
Thermopolis, WY 82443

WATER QUALITY DIVISION REFERENCE NUMBER: 80-71R

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



DATE OF REVIEW: March 7, 1980

ACTION: ~~NOT~~ AUTHORIZED.

COMMENTS:

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

Shop drawings from the tank manufacturer need to be submitted to this office as soon as they become available.

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Thermopolis Water Storage Tank and Water Line

ENGINEER: ARIX
625 East Madison
Riverton, WY 82501
ATTN: James C. Gores, P.E.

OWNER: City of Thermopolis
P.O. Box 603
Thermopolis, WY 82443

WATER QUALITY DIVISION REFERENCE NUMBER: 80-71

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

DATE OF REVIEW: February 26, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

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

1. Runoff flows toward the proposed storage tank could be a source of problems if adequate drainage patterns around the tank are not fully developed. The proposed ditch located one foot below the tank's finished grade should be so designed to prevent any standing water from accumulating and/or from approaching any closer to the tank's foundation.
2. Further analysis on the soils located under the storage tank's foundation should be given.
3. An elevation view of the proposed vault to include the altitude valve should also be given. Consideration to the drain line and the feasibility of providing an electric light for the vault should be addressed.
4. Shop drawings from the tank manufacturer need to be submitted to this office as soon as they become available.
5. Recommend the PVC pipe classification be upgraded to at least Class 150 and possibly Class 200.

If further information is required, please do not hesitate to contact us.

11702
4-28-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-72RR

Whitney Canyon Construction Camp
(Name of Facility)

This permit hereby authorizes the applicant:

Richard Sims - Agent: John Proffit, P.E.
(Last) (First) (Middle)

P.O. Box 746
(Street or P.O. Box)

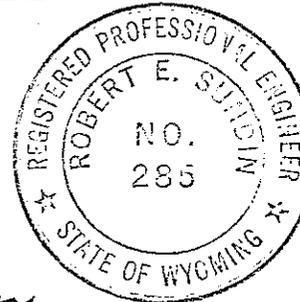
Evanston Wyoming 82930
(City) (County) (State)

to construct, install, or modify a Public Water Supply and Wastewater Disposal Systems
~~facility~~ located in Sec. 32, T. 17N, R. 120W
(Legal Description)

in the County of Unita, in the State of

Wyoming. This permit shall be effective for a period of 2 years

from the date of issuance of this permit not to exceed five (5) years.



AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
PE # 1479

Robert E. Surtin
Director
Wyoming Dept. of Environmental Quality

April 24, 1980
Date of Issuance

"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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: WHITNEY CANYON CONSTRUCTION CAMP
Sec. 32, T. 17N., R. 120W, Uinta County

ENGINEER: John Proffit, P.E.
Uinta Engineering & Surveying, Inc.
P. O. Box 746
Evanston, WY 82930

OWNER: Richard Sims
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 80-72R

REVIEWING ENGINEER: David W. Hill, P.E.

DATE OF REVIEW: April 2, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:



WATER SYSTEM

1. The wells need vents. Provide details.
2. Please provide drainage details around wells.
3. Drop pipe details are needed (i.e. - material, specifications, etc.)
4. Manufacturers information is requested for the proposed pitless adaptor.

SEWER SYSTEM

4. The chlorine cylinder needs restraining.
5. Is it possible to move the inlet to Cell No. 3 to the southeast corner. The present setup will encourage short circuiting in Cell No. 3.
6. The influent in Cell No. 1 should be moved further from the bank to stop sludge deposits near the lagoon banks.
7. Adequate mixing must take place between the chlorine and wastewater. Provide diffuser details.
8. A parshall flume with a six inch throat is too large for accurate measurement. Consider using a small flume (3-4 inch throat).

Whitney Canyon Construction Camp
Review of Plans and Specifications
April 2, 1980
Water Quality Reference No. 80-72R
PAGE 2

9. The discharge permit may contain a strict residual chlorine limitation.
Will dechlorination or a paced chlorinator be required?

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Whitney Canyon Construction Camp
Sec. 32, T. 17 N., R. 120 W.
Uinta County
ENGINEER: John Proffit, P.E.
Uinta Engineering & Surveying, Inc.
P.O. Box 746
Evanston, WY 82930
OWNER: Richard Sims
Evanston, WY 82930



WATER QUALITY DIVISION REFERENCE NUMBER: 80-72

REVIEWING ENGINEER: David W. Hill, P.E.

DATE OF REVIEW: March 11, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

General

1. In the future, there's no need to submit parts of the Wyoming Public Works Standard Specifications to us. Simply indicate reference to the specifications in the special provisions and the plans.
2. Please submit a location map showing exactly where the camp is located.

Water System

3. A certified water system operator is needed. Please contact our Certification Officer, Debra Horton, in Cheyenne for details.
4. Complete well details are needed (i.e. depth, depth of pump, casing type and thickness, surface grouting, drop pipe details, pitless adaptor details, well seal, expected well yield, etc.).
5. A chemical and bacteriological analysis of the well water shall be submitted to us after well completion.
6. Piping flexibility is needed to pump directly from the wells to the distribution system bypassing the storage tank.
7. Chlorination taps must be provided in case chlorination is needed. The two wells should branch into a single pipe before the storage tank so this can be accomplished.
8. Storage tank details are needed (i.e. foundation details, thickness, paint types, hatches, etc.). EPA has no approved paints; AWWA does. (AWWA D 102-78).

9. The booster pump system must handle peak hour flow with any one pump out of operation. Submit details.
10. Each individual pump in the booster pump system must have its own check valve on the discharge.
11. Another gate valve is desirable near manhole A on the east-west line for maintenance purposes.

Wastewater System

12. Branch wyes or tees must be used for all service connections if groundwater is a problem. If not, saddles are permissible.
13. Please submit all design calculations for sizing the lagoons. My calculations indicate a slightly undersized system. A 0.5 lbs./1,000 ft.² loading in the third cell is too high.
14. Short circuiting will take place in Cell #1. The influent and effluent structures should be placed on opposite ends of the cell.
15. The lagoon system must be designed with the flexibility to permit isolation of any cell while utilizing the remaining two cells.
16. This department may not require chlorination if adequate dilution is available in the Bear River. In order for our discharge permit department to determine this, please submit the following for evaluation.
 - a. Daily design flow.
 - b. Maximum daily flow.
 - c. Detailed map showing location of lagoon and Bear River.
 - d. Effluent ditch details (i.e. velocity, cross section, slope, etc.).
17. Adequate mixing and a chlorine contact chamber are needed for chlorination. Adequate mixing can be accomplished by a hydraulic jump, mechanical mixer, or similar setup.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

30 EAST GRINNELL

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6488

April 4, 1980

Ms. Donna L. Wichers
Licensing and Environmental Engineer
Wyoming Mineral Corporation
P.O. Box 1038
Buffalo, Wyoming 82834

RE: DEQ Project No. 80-74R
Modification to Permit 77-47R
Irigaray Plant

Dear Ms. Wichers:

We have reviewed the recently submitted As-Built plans for the septic tank and leach field system in Irigaray plant, which had been installed some time ago to replace the damaged leach field with a DEQ permit number of 77-47R.

It was found the design criteria used to size the modified septic tank and leach field meet the State minimum requirements.

This office does not issue permits for As-Built systems. However, this serves as concurrence with the project.

It should be noted, however, that an adequate permit must be obtained from this office for any further such modifications prior to its construction.

If you have any questions, please let us know.

Sincerely yours,

A handwritten signature in cursive script that reads "Dan H. Kim".

Dan H. Kim
Environmental Engineer

DHK/lis

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

cc: City of Laramie
City Engineer
P.O. Box C
Laramie, WY 82070

11
5-25-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-75R

University of Wyoming, Sewer Line Extension
(Name of Facility)

This permit hereby authorizes the applicant:

University of Wyoming
(Last) (First) (Middle)

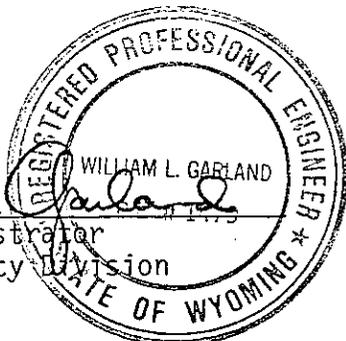
P.O. Box 550
(Street or P.O. Box)

Laramie, WY 82070
(City) (County) (State)

to construct, install, or modify a Wastewater Collection System
facility located in Sec. 20, T16N, R73W
(Legal Description)

in the County of Albany, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality


May 28, 1980
Date of Issuance

"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."



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-~~8047~~ 3144

April 29, 1980

Robert D. Markworth, P.E.
Union Pacific Railroad Company
1416 Dodge Street
Omaha, Nebraska 68179

Re: Point of Rocks Water System
DEQ #80-77RR

Dear Mr. Markworth:

In regard to our approval of your application for the aforementioned water supply system, we would like to offer the following comments for your consideration.

Based on the given plans and specifications, the constructed public water supply system should adequately and safely handle the expected water flows for the development and thus is acceptable to our department. A "Permit to Construct" will not be sent because the facility has already been built.

As a general reminder, construction of a wastewater system or a public water supply without a "Permit to Construct" from this department is a violation of Section 35-11-301, part 3 and 5, of the Wyoming Environmental Quality Act as amended. If this practice continues in the future, this office will recommend that legal action be initiated against the violators.

If further information is required, please do not hesitate to contact us.

Respectfully,

M. Robin Collins, P.E.
Northwest District Engineer

MRC/kn

cc: Union Pacific Railroad Company
Attention: J.A. Peterson
DEQ/WQD - Cheyenne ✓



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 26, 1980

Union Pacific Railroad Company
1416 Dodge Street
Omaha, NE 68179

Attention: J. A. Peterson, Bridge Engineer

Re: Point of Rocks Water System
80-77R

Dear Sirs:

Per our past correspondence, the system now serves more than ten (10) connections and now comes under DEQ-WQD jurisdiction. It is my understanding that the additional water lines are already constructed.

The following concerns must be discussed further than previously discussed in your letter to us of March 12.

1. Please supply more information to us on the storage tank inside paint (manufacturers information, FDA, AWWA approval, etc.).
2. The PVC distribution lines must be NSF approved. Are they?
3. Please submit a plan sheet showing the location of all present and proposed section houses with the water lines also shown.
4. A 125 gallon pneumatic tank is rather small to serve 16 section houses. Please supply design criteria to show it is large enough to prevent the booster pump from turning on and off continuously.
5. Blowoffs are needed on the end of each main water line. Supply details.

Union Pacific Railroad Company
March 26, 1980
Page 2

6. In order for this department to accept the "as built" system, personnel from DEQ will have to make an on-site inspection of the water system. Please indicate a local representative we can contact to set up an inspection.

If any question comes up, please feel free to contact me.

Sincerely,

M. Robin Callin
FOR David W. Hill, P.E.
District Engineer

DWH:cmf

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Union Pacific Railroad Company - Point of Rocks
Sec. 27, T. 20 N., R. 101 W., Sweetwater County

ENGINEER: Robert D. Markworth, P.E.
Union Pacific Railroad Co.
1416 Dodge St.
Omaha, Nebraska 68179

OWNER: Union Pacific Railroad Co.
1416 Dodge St.
Omaha, Nebraska 68179
ATTN: J. A. Peterson

WATER QUALITY DIVISION REFERENCE NUMBER: 80-77

REVIEWING ENGINEER: ^{DWA} David W. Hill, P.E.

DATE OF REVIEW: March 3, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

The water system is now intended to serve up to sixteen connections. Therefore the system must be in compliance to our minimum standards for water systems.

The following items must be addressed in order for us to determine compliance.

1. Well details are needed (i.e. depth, size, casing size and wall thickness, pump size and depth, drop pipe size and thickness, seal, etc.).
2. Please indicate storage tank wall thickness and inside paint or other protection specifications.
3. Distribution line specifications are needed (i.e. wall thickness, pressure class, etc.).
4. More details on the pressure tank are needed (i.e. size, material, thickness, how air is added, etc.).
5. If sixteen section houses are to be served by this system, plans and specifications are needed for the new distribution lines serving the eight new houses.
6. Chemical and bacteriological analysis are requested.

Enclosure



(A,B,C)

M-705
3-22-80

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 80-78
(Reference 79-171)

RAWHIDE MINE FERRET RESERVOIR
(Name of Facility)

This permit hereby authorizes the applicant:

The Carter Mining Company
(Last) (First) (Middle)

P.O. Box 3007
(Street or P.O. Box)

Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a sediment and pit water reservoir
facility located in Section 14, T.51N., R.72W.
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Stinson
Director
Wyoming Dept. of Environmental Quality


March 31, 1980
Date of Issuance

"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."

PERMIT TO CONSTRUCT

17-10-2
3-3-80

New

Permit No. 80-79

Renewal

Modified

4-J 3rd FILING IMPROVEMENT DISTRICT 41 - CITY OF GILLETTE
(Name of Facility)

This permit hereby authorizes the applicant:

City of Gillette, Attention: Jeff Smith
(Last) (First) (Middle)

P.O. Box 3003
(Street or P.O. Box)

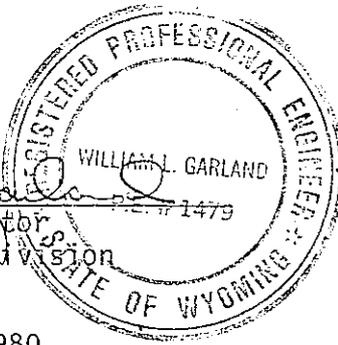
Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a water distribution, sewage collection, storm sewer
facility located in Section 34, T.50N., R.72W.
(Legal Description)

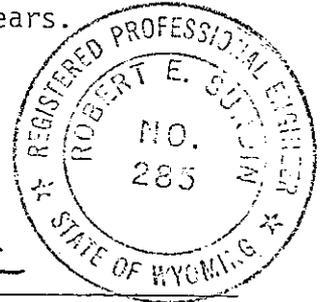
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surtin
Director
Wyoming Dept. of Environmental Quality



March 20, 1980
Date of Issuance

"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."

cc: Russ Larson
1901 Energy Court
Gillette, WY 82716

Doris Carlson
Keyline Drive
Gillette, WY 82716

PERMIT TO CONSTRUCT

New

Permit No. 80-80

Renewal

Modified

CITY OF GILLETTE
RESUBDIVISION OF LOT 2, BLOCK 9 (STOCKTRAIL SUBDIVISION)
(Name of Facility)

This permit hereby authorizes the applicant:

City of Gillette
(Last) (First) (Middle)

P.O. Box 3003
(Street or P.O. Box)

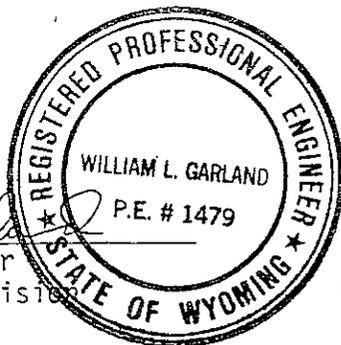
Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 34, T.50N., R.72W.
(Legal Description)

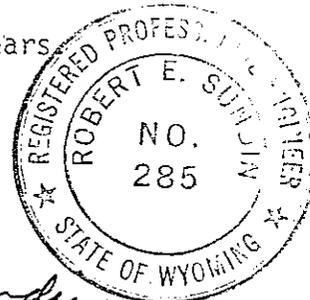
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality



March 11, 1980
Date of Issuance

"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."

M
2. 28. 80

cc: Jack Carlson
200 N. David
Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-82

Golf Course Club House Utility Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities
(Last) (First) (Middle)

200 North David Street
(Street or P.O. Box)

Casper Wyoming 82601
(City) (County) (State)

to construct, install, or modify a municipal water distribution and wastewater collection systems facility located in Sec. 16, T34N, R75W
(Legal Description)

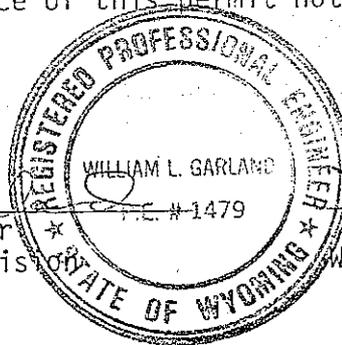
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

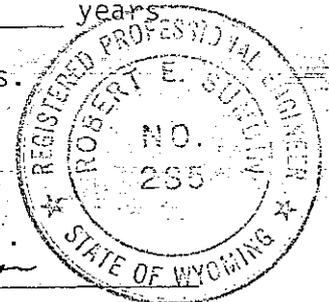
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 26, 1980
Date of Issuance

"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."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

4-23-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 23, 1984

Mr. Laurice Peterson
Assistant Adjutant General Office - Army
5500 Bishop Avenue
Cheyenne, WY 82002

Dear Mr. Peterson:

On April 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 80-83R, facility name ARNG Mobil Home Park. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

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

LCF/nc

cc: Weston Peterson
Camp Guernsey
P.O. Box 399
Guernsey, WY 82214

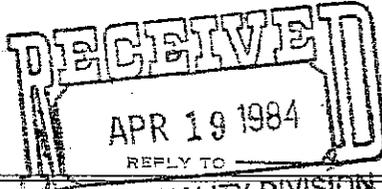
Assistant Adjutant General Office - Army
WY ARNS
Cheyenne

FROM
Loroy Fousner
WY DEQ / Water Quality Div
1111 E. Lincolnway
Cheyenne X7096

SUBJECT
ARNs Mobil Home Park - Camp Guernsey

DATE
13 Apr 84

MESSAGE
- I have not received a response from Camp Guernsey officials concerning the attached letter. Please indicate status of project so that final resolution of any plan review/permitting can be completed.



ORIGINATOR-DO NOT WRITE BELOW THIS LINE

REPLY

WATER QUALITY DIVISION

This project was ~~never~~ constructed. It has been abandoned and will not be started in the foreseeable future.

Laurie K. Petersen
Asst. Adj. Gen. - State

DATE

13 Apr 84

SIGNED

A handwritten signature in cursive script, appearing to read "Loroy Fousner". The signature is written in dark ink and is positioned above the "SIGNED" label.

SEND PARTS 1 AND 3 INTACT-PART 1 WILL BE RETURNED WITH REPLY

RM-87

RETURN TO ORIGINATOR

2-15-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Mr. Robert Rathbun
Facility Manager
Camp Guernsey
P.O. Box 399
Guernsey, WY 82214

Dear Mr. Rathbun:

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

Facility name:	ARNG Mobil Home Park
DEQ/WQD Reference Number:	<u>80-83R</u>
Engineering Consultant:	Weston Peterson, WARNG
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	March 21, 1980

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

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

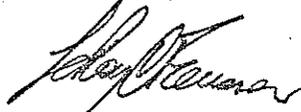
The application will be resubmitted within 30 days.

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

Other remarks _____

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

Sincerely,



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

cc: Weston Peterson
WARNG
P.O. Box 399
Guernsey, WY 82214

cc: T. P. McDill
The Engineers
6405 Indian Scout Drive
Casper, WY 82601

101
3 25 80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-84R

Loepp Welding Service
(Name of Facility)

This permit hereby authorizes the applicant:

Loepp Joe
(Last) (First) (Middle)

P.O. Box 854
(Street or P.O. Box)

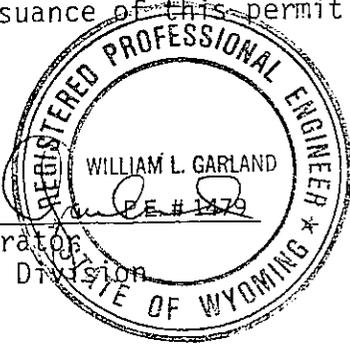
Mills Wyoming 82644
(City) (County) (State)

to construct, install, or modify a small, subsurface wastewater disposal
facility located in Section 24, T33N, R80W, S $\frac{1}{2}$, Lot 13 of Swingle Ranch Tract
(Legal Description)

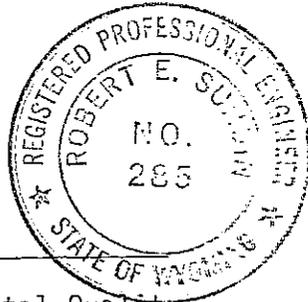
in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 21, 1980
Date of Issuance

"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."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

1/2 28 50

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~STATE OFFICE XXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Loepp Welding Service Wastewater Disposal System, Natrona Co.

ARCHITECT OR ENGINEER: Tom McDill, The Engineers, 6405 Indian Scout Dr.,
Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 80-84

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

DATE OF REVIEW: February 28, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Complete an application for a Permit to Construct (2 copies) and submit to this Division.
2. What is depth of cover material over leach field pipe?
3. What is size of gravel to be used in leach field?

cc: Rocky Mountain Eng. & Sur. PERMIT TO CONSTRUCT

P.O. Box 805

Evanston, WY 82930

ATTN: Dale Peterson, P.E.

Permit No. 80-85

3-11-80

New

Renewal

Modified

Willow Park Mobile Home Court
(Name of Facility)

This permit hereby authorizes the applicant:

JayGee Brothers, Inc.
(Last) (First) (Middle)

101 Horn Road
(Street or P.O. Box)

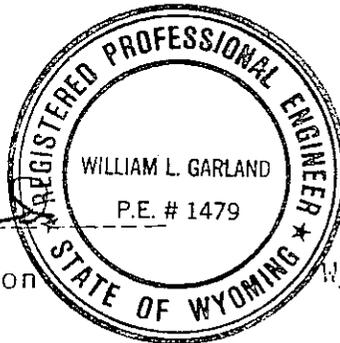
Evanston, Wyoming 82930
(City) (County) (State)

construct, install, or modify a wastewater collection and water distribution
facility located in Sec. 16 and 17, T. 15 N., R. 120 W.
(Legal Description)

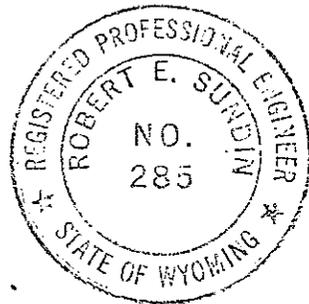
in the County of Uinta, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 11, 1980
Date of Issuance

"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."

cc: John A. Lambert
Box 34
Douglas, WY 82633

2-28-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-86

Arthur Hottell - Two Mobile Homes
(Name of Facility)

This permit hereby authorizes the applicant:

Hottell, Arthur
(Last) (First) (Middle)

Lonetree Village #116
(Street or P.O. Box)

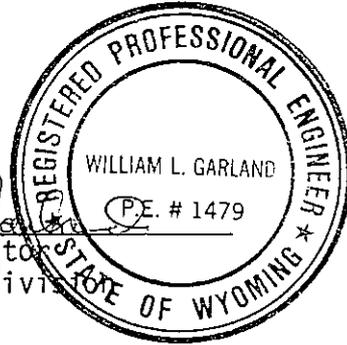
Douglas, Converse, WY 82633
(City) (County) (State)

to construct, install, or modify a septic tank
facility located in Sec. 16, T32N, R71W, Block 1, Foxx Addition
(Legal Description)

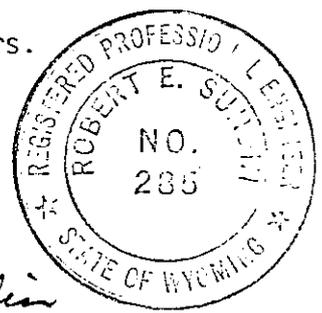
in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surtin
Director
Wyoming Dept. of Environmental Quality



February 27, 1980
Date of Issuance

"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."

cc: Mike McDill
3308 Sutherland
Gillette, WY 82716

4/15/80
2:00 PM

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-87R

RIDGEWOOD ESTATES — TOWN OF WRIGHT

(Name of Facility)

This permit hereby authorizes the applicant:

Denmar Corporation

(Last) (First) (Middle)

P.O. Box 2675

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

Wyoming 82716

(State)

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

facility located in Section 27, T.44N., R.72W.

(Legal Description)

in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

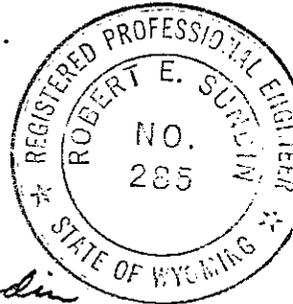
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surlin
Director
Wyoming Dept. of Environmental Quality



April 8, 1980
Date of Issuance

"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."

RIO VERDE ENGINEERING

CONSULTING ENGINEERS AND LAND SURVEYORS

ROBERT HARROWER - PE

PHONE 367-2546

P. O. BOX 67

PINEDALE, WYOMING 82941

Oct. 29, 1980

Mr. Frank LaBarge
Wyoming Dept. of Environmental Quality
Water Quality Division
933 Main Street
Lander, Wyoming 82520

Re: Walton Ford Septic Tank and Leach Field
Water Quality Division Reference Number: 80-88

Dear Mr. LaBarge:

After reviewing the situation with Mr. Walton, concerning an elevated leach field system, he has decided not to proceed any further until next spring.

It should be noted that no construction has been started and that any action concerning D.E.Q. approval will be delayed until then.

Very truly yours,



Fred J. Bertagnolli

xc F 572



*Plans
returned
10-31-80*

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Walton Ford Septic Tank and Leach Field
Sec. 32, T. 34 N., R. 109 W.
Sublette County
ENGINEER: Robert A. Harrower, P.E.
Rio Verde Engineering
P.O. Box 67
Pinedale, WY 82941
OWNER: Ivan V. Walton
44 West Pine
Pinedale, WY 82941

WATER QUALITY DIVISION REFERENCE NUMBER: 80-88

REVIEWING ENGINEER: David W. Hill, P.E.

DATE OF REVIEW: March 12, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Please submit design criteria for system (i.e. usage, gallons per usage, amount from sumps, etc.).
2. Submit details of fill in leach field area. It should be a dirty sand or similar. A sieve analysis is desirable if available. The fill should have a percolation rate of 5-10 minutes/inch if available.
3. The inlet and outlet pipes to the septic tank must be cast iron or schedule 40 PVC.
4. Is the entire area built on fill or just the leach field area? If just the leach field, indicate the dimensions of the fill around the leach field.

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Walton Ford Septic Tank and Leach Field
Sec. 32, T. 34 N., R. 109 W.
Sublette County
ENGINEER: Robert A. Harrower, P.E.
Rio Verde Engineering
P.O. Box 67
Pinedale, WY 82941
OWNER: Ivan V. Walton
44 West Pine
Pinedale, WY 82941

WATER QUALITY DIVISION REFERENCE NUMBER: 80-88

REVIEWING ENGINEER: David W. Hill, P.E.

DATE OF REVIEW: March 12, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Please submit design criteria for system (i.e. usage, gallons per usage, amount from sumps, etc.).
2. Submit details of fill in leach field area. It should be a dirty sand or similar. A sieve analysis is desirable if available. The fill should have a percolation rate of 5-10 minutes/inch if available.
3. The inlet and outlet pipes to the septic tank must be cast iron or schedule 40 PVC.
4. Is the entire area built on fill or just the leach field area? If just the leach field, indicate the dimensions of the fill around the leach field.

cc: Johnson-Termella & Crank
P.O. Box 1633
Rock Springs, WY 82901
ATTN: Terry Sell, P.E.

PERMIT TO CONSTRUCT

cc: TOM LASKOWSKI
P.O. Box 3772
Green River, WY 82935

- New
- Renewal
- Modified

Permit No. 80-89

Texasgulf Apartment Complex Phase II
(Name of Facility)

This permit hereby authorizes the applicant:

Texasgulf, Inc.-Housing Office
(Last) (First) (Middle)

1460 East Teton Blvd.
(Street or P.O. Box)

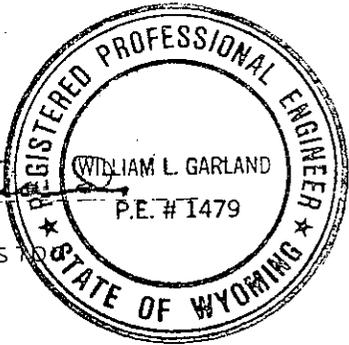
Green River, Wyoming 82935
(City) (County) (State)

construct, install, or modify a wastewater collection
facility located in Sec. 35 T. 18 N., R. 107 W.
(Legal Description)

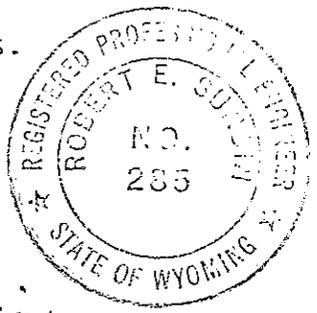
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Scardin
Director
Wyoming Dept. of Environmental Quality



March 12, 1980
Date of Issuance

"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."

PERMIT TO CONSTRUCT

100-90R

- New
- Renewal
- Modified

Permit No. 80-90R

Lander Water and Sewer Extensions - Squaw Creek Addition
 Replat and Badley-Black Addition Second Filing Amended
 (Name of Facility)

This permit hereby authorizes the applicant:

City of Lander - Don Dunham, City Engineer
 (Last) (First) (Middle)

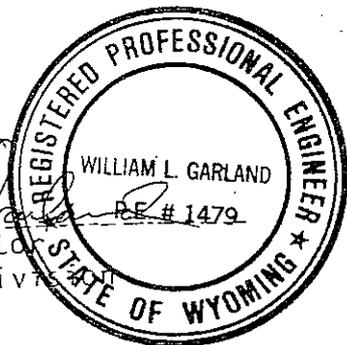
183 South Fourth Street
 (Street or P.O. Box)

Lander, Wyoming 82520
 (City) (County) (State)

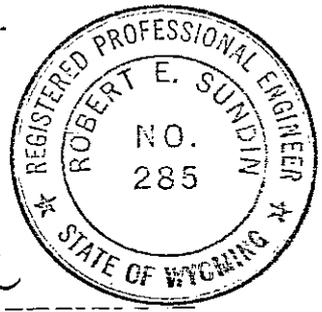
to construct, install, or modify a water and sewer extensions
 facility located in Sec. 13, T. 33 N., R. 100 W.
 (Legal Description)

in the County of Fremont, in the State of
 Wyoming. This permit shall be effective for a period of two years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:



William L. Garland
 Administrator
 Water Quality Division



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

March 7, 1980
 Date of Issuance

"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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Water and Sewer Extensions - Squaw Creek Addition Replat and Badley-Black Addition Second Filing Amended

ENGINEER: C.E. Spurlock, Jr. and Associates
150 North Third St.
Lander, WY 82520
ATTN: Willard Aten

OWNER: City of Lander
183 South Fourth St.
Lander, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER:

80-90

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



DATE OF REVIEW: February 29, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

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

1. It should be emphasized that the sewer crossings of Squaw Creek must utilize construction methods which will minimize erosion and siltation. Clarification of the selected backfill to be used under the concrete encasement should be given. Washed stones, gravel, etc. are recommended as the fill to be used.
2. As an added safety factor, I would recommend consideration be given to the use of restraint couplings for the sewer at both Squaw Creek crossings.
3. If the proposed arch pipe as shown on Sheet 2 will alter the direction of the creek bed, then a Corps of Engineers (Omaha District) permit may have to be obtained.

If further information or clarification is required, please do not hesitate calling us. We look forward to your reply.



PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-91RR

Day-Loma BaCl₂ Water Treatment Plant
(Name of Facility)

This permit hereby authorizes the applicant:

Energy Fuels Nuclear - Dale Morton, Project Mgr.
(Last) (First) (Middle)

P. O. Box 5005 - Gas Hills Mining District
(Street or P.O. Box)

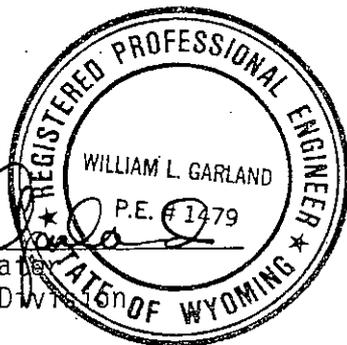
Riverton, WY 82501
(City) (County) (State)

to construct, install, or modify a BaCl₂ water treatment plant & flow measuring device
facility located in Section 24, T.32N., R.91W.
(Legal Description)

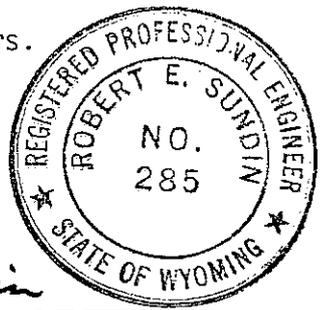
in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



July 11, 1980
Date of Issuance

"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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.

(307) 332-3144



PROJECT: DAY-LOMA BaCl₂ WATER TREATMENT PLANT

ENGINEER: Energy Fuel Nuclear, Inc.
P. O. Box 5005
Gas Hills Mining District
Riverton, WY 82501 ATTN: Ed Beaver

OWNER: Energy Fuel Nuclear, Inc.
P. O. Box 5005
Gas Hills Mining District
Riverton, WY 82501 ATTN: Dale Morton, Project Manager

WATER QUALITY DIVISION REFERENCE NUMBER: 80-91R

REVIEWING ENGINEER: M. Robin Collins *Dut For*

DATE OF REVIEW: March 31, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

After reviewing the aforementioned resubmittance, I would like to offer the following comments for your consideration in processing the necessary permits.

1. As described in the discharge permit, a continuous flow measuring device needs to be installed on the discharge side of Cell Pond No. 3 before the treated pit water flows into the Coyote Creek drainage.
2. A by-pass arrangement around the BaCl₂ treatment plant is not acceptable. In the event of a plant malfunction or breakdown, the float pumps for the D-3 pit will also have to be shutdown.
3. If practical, soil analyses for the settling ponds should be submitted in order to insure problems from seepage can be minimized and/or controlled.

ROBERT JACK SMITH
CONSULTING ENGINEERS



& ASSOCIATES, INC.
AND LAND SURVEYORS

P.O. BOX 1104

RAWLINS, WYOMING 82301

1015 HARSHMAN

PHONE (307) 324-5262

JOB NO. 3704

March 17, 1981

Dept. of Environmental Quality
Water Quality Division
933 Main
Lander, Wyoming 82520



Attn: Francis LaBarge

Re: Sewage Disposal System, Doug & Darlene Dowlin, Wamsutter, Wyoming

Dear Mr. LaBarge,

At this time I would like to withdraw the original application submitted for Jim's Water Service, DEQ 80-92RR. Attached are three copies of the following material for your review and consideration.

1. Application for Permit to Construct Sewage Disposal System
2. Project Summary
3. Plans and Specifications

Please call me if you have any questions or need additional information.

Sincerely,
Robert Jack Smith & Associates, Inc.

Monty D. Winter

MDW/mej
Enc.

Norma, plans thrown out at the request of the engineer.

Principals
MARTIN PEDERSEN
PAUL McCARTHY

REGISTERED PROFESSIONAL ENGINEERS AND LAND SURVEYORS IN WYOMING, COLORADO,
NEW MEXICO, ARIZONA, UTAH, NEVADA, MONTANA, IDAHO, SOUTH DAKOTA AND NORTH DAKOTA



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 9, 1981

CERTIFIED MAIL

Mr. Doug Dallin
Box 1432
Rawlins, WY 82301

Re: Jim's Water Service
DEQ Ref. No. 80-92RR

Dear Mr. Dallin:

Jim's Water Service, located in Sec. 34, T. 20N, R. 94W, Sweetwater County, was constructed in violation of Chapter III of the Wyoming Water Quality Rules and Regulations (copy enclosed). I realize that at the time you were not the owner of the facility, yet the fact remains that it was illegally constructed and, as of this date, the matter has not been resolved.

Despite several attempts to work with you on this matter, this office still has not received any plans. Therefore, it is the decision of this office that the plans for this project be received within two (2) weeks of your receipt of this letter. Failure to receive the plans in this time frame will result in a recommendation that the matter be turned over to the Attorney General's office.

If you have any questions, please give me a call.

Yours truly,

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

Francis LaBarge
Water Quality Evaluator

FL:nb

Enclosure

cc: Jake Strohman - Engineering Control Supervisor, Cheyenne DEQ/WQD
Robert Jack Smith & Associates, Inc.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

September 15, 1980

Mr. Doug Dallin
Box 1432
Rawlings, WY 82301

Re: Jim's Water Service
DEQ #80-92RR



Dear Mr. Dallin:

It is my understanding that you have purchased Jim's Water Service. This office has made a review of proposed modifications to the trailer court and lagoon and has requested more information to complete the review.

Do you intend to go ahead with the project or discontinue it? Please let me know at this office. I have enclosed a copy of the review for your information. As a reminder, it is illegal to begin construction of the proposed project until a "Permit to Construct" has been issued.

Respectfully,

Francis LaBarge

Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosure

cc: DEQ/WQD - Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Jim's Water Service, Sweetwater Co.

ENGINEER: Robert Jack Smith & Assoc.
P. O. Box 1104
Rawlins, WY 82301

OWNER:

WATER QUALITY DIVISION REFERENCE NUMBER: 80-92R R

REVIEWING ENGINEER: Darryl Alleman, P.E.



DATE OF REVIEW: July 31, 1980

ACTION: NOT AUTHORIZED.

COMMENTS:

SEWER SYSTEM

- Comments from Town of Wamsutter - Compatibility with town's plans.
- lift station
 - Access? No access is shown
 - doesn't show shutoff valve after check valve
 - does storage tank drain back to wet well?
 - force main
 - need design calculations for forced main indicating velocity, design friction losses, and design pressure
 - air relief valve required?
 - show details of termination into manhole
 - lagoon
 - non-discharging lagoon less than $\frac{1}{4}$ inch per day seepage, if greater than $\frac{1}{4}$ inch per day, then it must meet secondary standards.
 - will need liner (Bentonite Clay)
 - how much freeboard (3 feet minimum)
 - cleanout required on inlet pipe
 - diversion ditch not shown
 - need cross section showing inlet pipe
 - is it a flood area?
 - is there 100 feet separation between well or any water lines?
 - is pond bottom greater than four feet above water table?
 - what is total volume of lagoon?

WATER SYSTEM

1. Two sources of groundwater required
2. Two sources of power required
3. Physical, chemical, and bacteriological analysis required
4. Information required on disinfection procedures
5. Is well fenced in?
6. Need physical details of well - grout details, drop pipe details, pit less adaptor details, well seal, upper terminal well construction, casing vent.
7. Need design calculations for sizing of hydro pneumatic system
8. Does pressure tank have by pass piping to permit operation of system while tank is being repaired
9. Need details of pressure tank - showing drain, pressure gauge, start-stop controls, etc. . .
10. Information required on Cl₂ system such as contact time, residual Cl₂, capacity, piping, etc. . .
11. Need statement from Town of Wamsutter regarding compatibility of proposal with Wamsutter's present and long range utility plans.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ 401 W. 19th St., Equality State Bank
Cheyenne, Wyoming 82002

PROJECT: Jim's Water Service, Sweetwater Co.

ARCHITECT OR ENGINEER: Robert Jack Smith & Assoc., P.O. Box 1104, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 80-92

REVIEWING ENGINEER: Jake Strohman, P.E.

DATE OF REVIEW: April 28, 1980

ACTION: NOT AUTHORIZED

COMMENTS:

SEWER SYSTEM

Existing "As Built"

1. A cleanout is needed on the sewer line end of space 1.
2. A manhole is needed at the sewer line junction before the septic tank.
3. The sewer main does not meet our six inch minimum requirement.
4. The sewer main crosses over the existing water main.
5. According to the plan sheet, the water line comes within about 5-6 feet of the septic tank.

Because of the above two comments, the water main must be abandoned and a new main installed.

6. More details are needed concerning the pumping system to the lagoon for both the existing and future systems.

WATER SYSTEM

The future modifications proposed will result in a system with more than ten connections which will come under DEQ jurisdiction.

1. Well details are needed (i.e. depth, size, casing details, grout details, pump size and depth, drop pipe details, pit less adaptor details (if any), well seal, etc.

Jim's Water Service
DEQ/WQD Ref. No. 80-92
April 28, 1980
Page two

2. Design criteria is requested for sizing of the hydropneumatic system.
3. Blowoffs are needed on the end of the two dead end water lines (space 1 and 6) or the ends connected to make a loop.
4. Storage tank details are needed (i.e., structural, hatches, vents, painting, etc.).
5. The connection of the potable water system to the chemical storage area is a dangerous cross connection. Check valves do not provide sufficient protection. A full blown backflow preventer is needed.

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

17
3-20-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-93

Lot 18, Westgate Park 2 Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Larson Construction Company
(Last) (First) (Middle)

P.O. Box 1527
(Street or P.O. Box)

Mills Natrona Wyoming 82644
(City) (County) (State)

to construct, install, or modify a small, subsurface wastewater disposal system
facility located in Sec. 34, T34N, R80W, Lot 18, Westgate Park 2 Subdivision
(Legal Description)

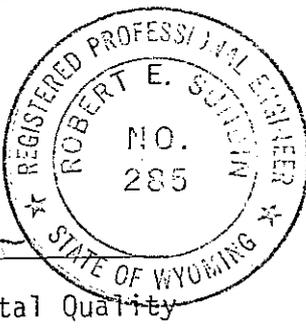
in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 19, 1980
Date of Issuance

"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."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

4-16-80

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-94R

Proposed Modifications - Halliburton Services (Riverton)
(Name of Facility)

This permit hereby authorizes the applicant:

Halliburton Services - Steve A. Burford
(Last) (First) (Middle)

Drawer 1431
(Street or P.O. Box)

Duncan, Oklahoma 73533
(City) (County) (State)

to construct, install, or modify a Washrack discharge system & chemical terminal
facility located in Sec. 22, T1N, R4E
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Note the attached comments

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division
 REGISTERED PROFESSIONAL ENGINEER
 WILLIAM L. GARLAND
 No. # 1479
 STATE OF WYOMING

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

April 11, 1980
Date of Issuance

"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."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Proposed Modifications - Halliburton Services (Riverton)

ENGINEER: J. N. Lasater, P. E.

P. O. Box 229
Worland, Wyoming 82401

OWNER: Halliburton Services - Agent: S.A. Burford
Drawer 1431
Duncan, Oklahoma 73533

WATER QUALITY DIVISION REFERENCE NUMBER: 80-94R

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

DATE OF REVIEW: April 9, 1980

ACTION: ~~NOT~~ AUTHORIZED.

COMMENTS:

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

- 1.) The discharge to the highway ditch should be so arranged as to prevent erosion of the highway embankments.
- 2.) Recommend assistance to the Highway Department in controlling the cattail growth within your property limits be offered by Halliburton Services (Riverton).

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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



PROJECT: Proposed Modifications - Halliburton Services (Riverton)

ENGINEER: J. W. Lasater, P.E.
P.O. Box 229
Worland, WY 82401

OWNER: Halliburton Services - Agent: S. A. Burford
Drawer 1431
Duncan, OK 73533

WATER QUALITY DIVISION REFERENCE NUMBER: 80-94

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

DATE OF REVIEW: March 17, 1980

ACTION: NOT AUTHORIZED.

COMMENTS: After reviewing the aforementioned project, we would like to offer the following comments for your reply in processing the necessary permit.

1. Please resolve the difference for the inlet and outlet arrangement as described between the Comb. Neut. Pit & Oil Trap drawing and the Sewer & Drain Line drawing.
2. If practical, a BOD₅, TSS and PH analysis of the washrack wastewater need to be submitted.
3. Please indicate where the sanitary wastewater generated from the existing shop building is currently going.
4. More information on the U.S. Hwy. #29 storm water run-off ditch located in front of your property needs to be given. For example, who is responsible for maintaining this ditch? How is the excessive cattail growth noted for this ditch to be controlled? Where does the run-off water from this location eventually end up at?

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

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 3, 1980

Mr. Steve Burford
Haliburton Services
Drawer 1431
Duncan, Oklahoma 73533

Dear Mr. Burford:

Due to a mix-up in the mail, your application for a modification reached my desk today. Since the facility that your application covers is located in Fremont County, it is being forwarded to our Lander field office which reviews applications for Fremont County. This letter is to inform you that our 45-day review process will begin today.

Sincerely,

A handwritten signature in cursive script that reads "Jake Strohmman".

Jake Strohmman,
Engineering Control Supervisor

JS/nc

cc: Robin Collins, DEQ/WQD, Lander

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-95R

Cliffview Mobile Home Park Sewer Line Modification
(Name of Facility)

This permit hereby authorizes the applicant:

J. R. Contractor, Inc. - Agent: Donald L. Armstrong, P.E.
(Last) (First) (Middle)

Route 1, Box 555
(Street or P.O. Box)

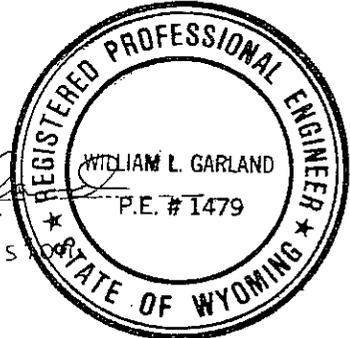
Riverton, Wyoming 82501
(City) (County) (State)

construct, install, or modify a design modification of sanitary sewer line
facility located in Sec. 35, T. 1 N., R. 4 E.
(Legal Description)

in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 10, 1980
Date of Issuance

"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."

PERMIT TO CONSTRUCT

1/26
3/13

- New
- Renewal
- Modified

Permit No. 80-96

Lander's Water and Sewer Extensions - Jones Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Jones Land and Livestock Co. - Hugh W. Jones
(Last) (First) (Middle)

671 Main Street
(Street or P.O. Box)

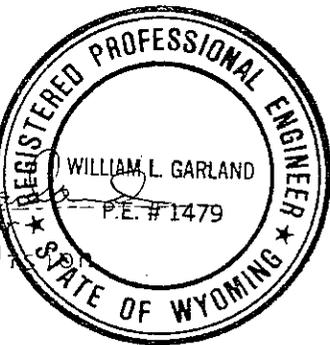
Lander, Wyoming 82520
(City) (County) (State)

construct, install, or modify a water and sewer line extensions
facility located in Sec. 20, T. 33 N., R. 99 W.
(Legal Description)

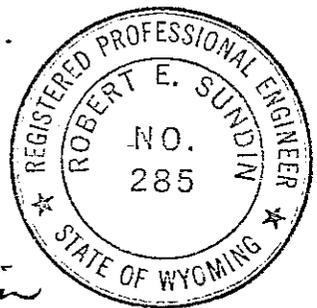
in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



March 7, 1980
Date of Issuance

"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."

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-97

Hilltop Circle - Upland Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Anselmi, John
(Last) (First) (Middle)

P.O. Box 1087
(Street or P.O. Box)

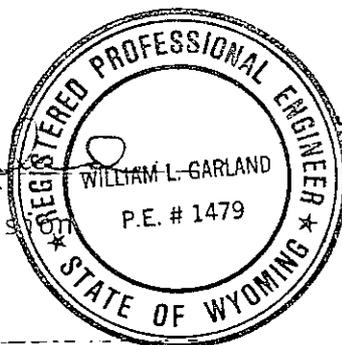
Rock Springs, Wyoming 82901
(City) (County) (State)

to construct, install, or modify a wastewater collection
facility located in Sec. 35, T. 19N, R. 105 W.
(Legal Description)

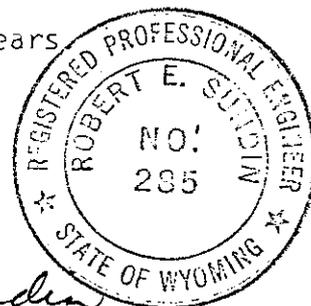
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality



April 9, 1980
Date of Issuance

"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."

cc: Jim Taylor, Larson & Brimacombe
1901 Energy Ct., Suite 120
Gillette, WY 82716

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 80-98R
(Reference 79-312R)

SLEEPY HOLLOW SUBDIVISION PHASE II WELL
(Name of Facility)

This permit hereby authorizes the applicant:

Suchor Investment, Inc.
(Last) (First) (Middle)

1601 4-J Road
(Street or P.O. Box)

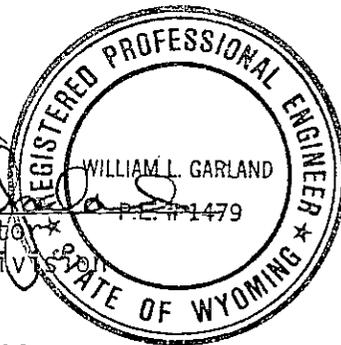
Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a public water supply well and chlorination
facility located in Section 18, T.49N., R.71W.
(Legal Description)

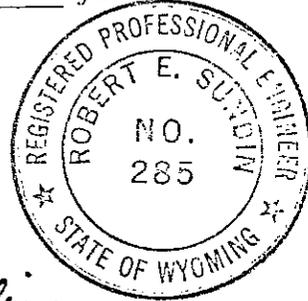
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrato
Water Quality Division



Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality



April 9, 1980
Date of Issuance

"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."

cc: Johnson-Fermelia & Crank
P.O. Box 1633
Rock Springs, WY 82901
ATTN: Wayne L. Johnson, P.E.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 80-99
Ref. No. 79-719

Amoco Oil Wastewater System
(Name of Facility)

This permit hereby authorizes the applicant:

Amoco Production Company (Authorized Agent: John J. Dolinar)
(Last) (First) (Middle)

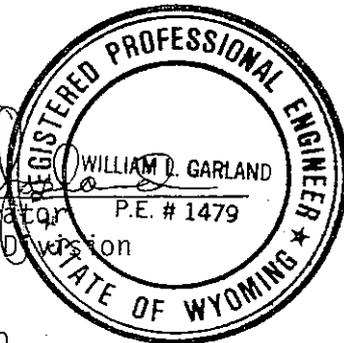
P.O. Box 17675
(Street or P.O. Box)

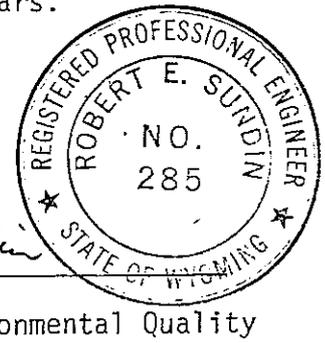
Salt Lake City, Utah 84117
(City) (County) (State)

to construct, install, or modify a wastewater disposal system
facility located in SW 1/4 Sec. 5, T18N, R11W
(Legal Description)

in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William D. Garland
Administrator
Water Quality Division
P.E. # 1479


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


March 3, 1980
Date of Issuance

"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."

cc: Peter M. Jorgensen, P.E.
P.O. Box 1142
Jackson, WY 83001

1130

PERMIT TO CONSTRUCT

New

Permit No. 80-100

Renewal

Modified

SOUTH PARK SERVICE CENTER

(Name of Facility)

This permit hereby authorizes the applicant:

DELCON, INC.

(Last)

(First)

(Middle)

P.O. Box 1748

(Street or P.O. Box)

Jackson

Teton

Wyoming 83001

(City)

(County)

(State)

to construct, install, or modify a water distribution system

facility located in Sec. 17, T. 40 N., R. 116 W.
(Legal Description)

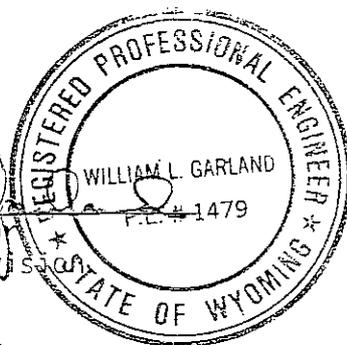
in the County of Teton, in the State of

Wyoming. This permit shall be effective for a period of 2 years

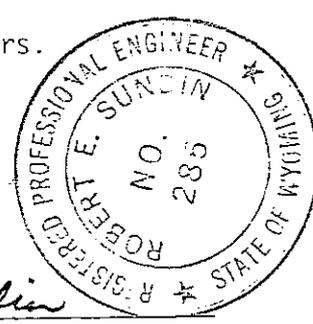
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director



Wyoming Dept. of Environmental Quality

March 31, 1980
Date of Issuance

"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."