

PERMIT TO CONSTRUCT

SCANNED

Book picked up 5-16-79

- New
- Renewal
- Modified

Permit No. 79-151

Water & Sewer Main Extensions, North Runway - Bar-Nunn Ranch Subdivision  
(Name of Facility)

This permit hereby authorizes the applicant:

American Builders

(Last) (First) (Middle)

134 S. Kenwood

(Street or P.O. Box)

Casper, Natrona, Wyoming 82601

(City) (County) (State)

to construct, install, or modify a 8" sewer lines on sheet 2/6; westernly sewers on sheet 1/6  
facility located in Sec. 17, T34N, R79W  
(Legal Description)

in the County of Natrona, in the State of

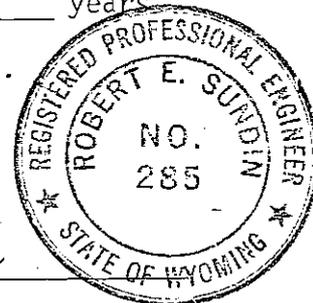
Wyoming. This permit shall be effective for a period of two (2) years

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

AUTHORIZED BY:

William J. [Signature]  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 11, 1979

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.

MR. GARY E. ERVIN  
920 S.W. 6TH AVE.  
PORTLAND, OREGON 97204

*mailed*  
*4/11/79*

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-152

JIM BRIDGER RUNOFF CONTAINMENT FACILITIES

(Name of Facility)

This permit hereby authorizes the applicant:

PACIFIC POWER & LIGHT  
(Last) (First) (Middle)

920 S.W. 6TH AVE.  
(Street or P.O. Box)

PORTLAND, OREGON 97204  
(City) (County) (State)

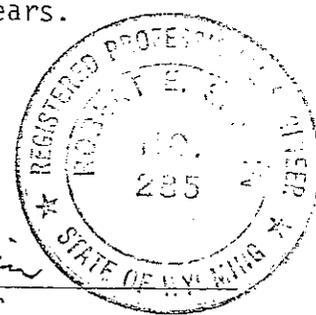
to construct, install, or modify a RUNOFF CONTAINMENT  
facility located in SEC. 3 T20N R101W  
(Legal Description)

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 R. ...*  
Administrator  
Water Quality Division

*Robert E. ...*  
Director  
Wyoming Dept. of Environmental Quality



APRIL 3, 1979.  
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

79-153R

- New
- Renewal
- Modified

Permit No. 79-153R

BEAR CREEK URANIUM TAILINGS EXPANSION  
(Name of Facility)

This permit hereby authorizes the applicant:

Bear Creek Uranium Company  
(Last) (First) (Middle)

P.O. Box 2654  
(Street or P.O. Box)

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

to construct, install, or modify a uranium tailings dam  
facility located in Sections 9 and 16, T.38N., R.73W.  
(Legal Description)

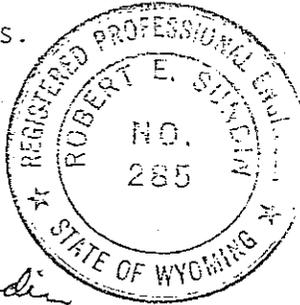
in the County of Converse, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division  
STATE OF WYOMING



Robert E. Sturdivant  
Director  
Wyoming Dept. of Environmental Quality



June 7, 1979  
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."

Book  
Mailed  
4-12-79

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 79-154

Jerry Heller Company

(Name of Facility)

This permit hereby authorizes the applicant:

Spiva Backhoe

(Last)

(First)

(Middle)

P. O. Box 122

(Street or P.O. Box)

Mills

(City)

Natrona

(County)

Wyoming 82601

(State)

to construct, install, or modify a Commercial Subsurface Disposal

facility located in \_\_\_\_\_

(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.

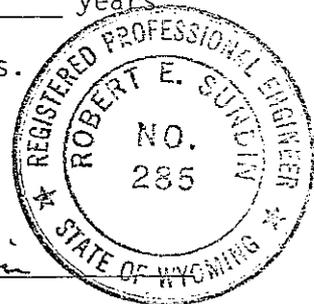
AUTHORIZED BY:

William L. O'Leary

Administrator  
Water Quality Division

Robert E. Sundin

Director  
Wyoming Dept. of Environmental Quality



April 4, 1979

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. 79-155

Renewal

Modified

Dry Creek Wastewater Treatment Facilities  
(Name of Facility)

This permit hereby authorizes the applicant:

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

2100 Pioneer  
(Street or P.O. Box)

Cheyenne Laramie Wyoming 82001  
(City) (County) (State)

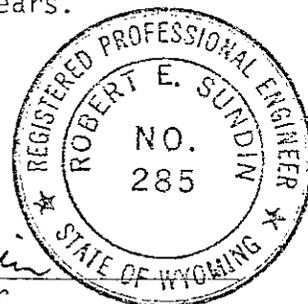
to construct, install, or modify a municipal mechanical treatment  
facility located in Sec. 6, T.14N., R.65W.  
(Legal Description)

in the County of Laramie, 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. Janda  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 13, 1979  
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. 79-156

Albert Urbigkit

(Name of Facility)

This permit hereby authorizes the applicant:

Urbigkit, Albert  
 (Last) (First) (Middle)

2261 W. 41st St.  
 (Street or P.O. Box)

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

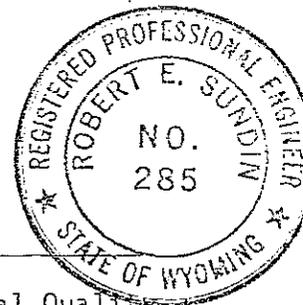
to construct, install, or modify a subsurface disposal (commercial)  
 facility located in Sec. 29, T.34N., R.79  
 (Legal Description)

in the County of Natrona, 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. Galas  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



April 13, 1979  
 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  
A-6-11-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-157R

BJ-Hughes Inc.  
(Name of Facility)

This permit hereby authorizes the applicant:

BJ-Hughes, Inc.

Suite 414 (Last) (First) (Middle)  
1776 Lincoln St.

(Street or P.O. Box)

Denver, (City) CO 80203 (State)  
(County)

to construct, install, or modify a small subsurface disposal\*

facility located in Sec. 27, T34S, R80W  
(Legal Description)

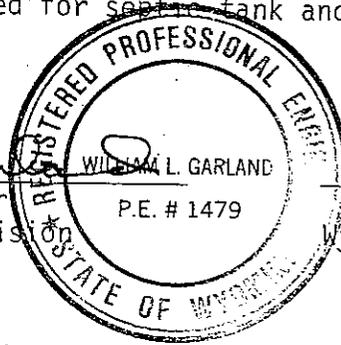
in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years

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

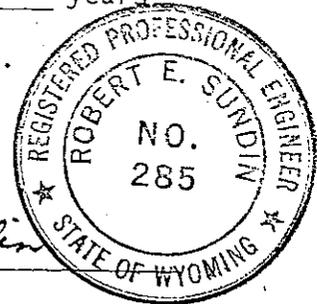
\*Note: Construction authorized for septic tank and leach field only.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



June 7, 1979  
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.

Book  
79-5-1-79  
79-157

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: BJ-HUGHES, Inc.  
Casper, Wyoming

BJ-HUGHES, Inc.  
Suite 414, 1776 Lincoln St.  
Denver, Colorado 80203

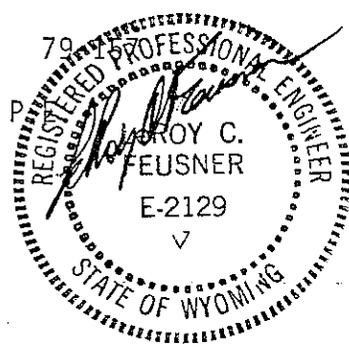
ARCHITECT OR ENGINEER: H.S. Adnan, P.E.  
888 So. Lipan Street, Denver, Colorado 80223

WATER QUALITY DIVISION REFERENCE NUMBER: 79-5-1-79

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

DATE OF REVIEW: April 19, 1979

ACTION: CONSTRUCTION NOT AUTHORIZED



COMMENTS:

1. Recommend sewer cleanout capability inside shop building where line makes right angle towards septic tanks.
2. What is relationship of proposed sewer lines with any existing drinking water lines? Show typical detail of any crossovers.
3. Show plumbing hookup of drywell from vehicle/equipment washrock. Oil/grease separator is required between washrock and drywell. Additional drywells must be connected to an oil/grease separator; therefore, recommend appropriately sized unit for increased flows.

M70S  
5-17-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-158

NEIMAN'S FIRST ADDITION - CITY OF HULETT  
(Name of Facility)

This permit hereby authorizes the applicant:

Neiman (Last) Jim (First)  (Middle)  
 c/o Robert Hartley  
Plains Engineering, P.O. Box 727  
 (Street or P.O. Box)  
Newcastle, WY 82701  
 (City) (County) (State)

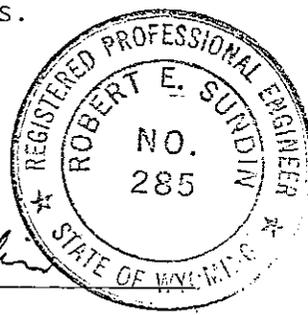
to construct, install, or modify a water distribution and sewage collection  
 facility located in Section 7, T.54N., R.64W.  
 (Legal Description)

in the County of Crook, 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 J. [Signature]  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



May 17, 1979  
 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 702  
5-29-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-159R

COUNTRY CLUB VILLAGES WATER AND SEWER

(Name of Facility)

This permit hereby authorizes the applicant:

RAY BICKEL, EMPIRE LAND AND DEVELOPMENT

(Last) (First) (Middle)

P.O. BOX 1175

(Street or P.O. Box)

RIVERTON, WYOMING 82501

(City) (County) (State)

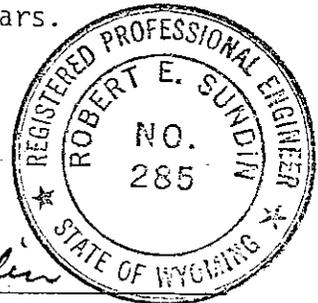
to construct, install, or modify a SEWAGE COLLECTION AND WATER DISTRIBUTION  
facility located in SEC. 31, T1N, R.4E  
(Legal Description)

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.

AUTHORIZED BY:

William J. Gula  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



MAY 10, 1979.

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 SMALL WASTEWATER FACILITY PLANS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 Main St.,  
Lander, Wyoming, 82520  
(304) 332-3144

PROJECT: COUNTRY CLUB VILLAGES WATER & SEWER  
OWNER/APPLICANT: RAY BICKEL, P.O. BOX 175, RIVERTON, WYO. 82501

ADDRESS: DONALD FRASER  
WIND RIVER ENGINEERS  
2333 ROSE LANE - RIVERTON, WYO. 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 79-159

REVIEWING ENGINEER: RICK ENGELMANN *R.E.*

DATE OF REVIEW: APRIL 20, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. ~~Specifications for pipe casing have been included.~~  
Where are these going?
2. ~~Johns-Manville recommends larger casing pipe than you have~~  
~~specified (p:02230-1).~~ They recommend 12" casing for 6" pipe,  
16" for 8", 18" for 10", etc.
3. Please provide the following:
  - a. A detail showing the proposed cradles for the carrier pipe.
  - b. Construction Std. 16, which is called out on P. 15063-2.  
Where are the air-vacuum valves being used?
  - c. Specifications for valve and hydrant installation.

J.B. CREWS  
P.O. BOX 1293  
RIVERTON, WYO. 82501

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-160  
(MODIFICATION TO PERMIT NO. 78-551RR)

CLIFF VIEW MOBILE HOME PARK

(Name of Facility)

This permit hereby authorizes the applicant:

DICKINSON                      ALBERT                      JR.  
(Last)                                      (First)                                      (Middle)

RT. #1, BOX 555  
(Street or P.O. Box)

RIVERTON,                      WYO.                      82501  
(City)                                      (County)                                      (State)

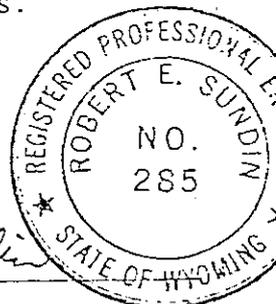
to construct, install, or modify a WATER DISTRIBUTION  
facility located in SEC. 35, T.1N, R4E  
(Legal Description)

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.

AUTHORIZED BY:

William L. Galand  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



APRIL 13, 1979

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. 79-161

Amoco Pipeline Co. Office Building  
(Name of Facility)

This permit hereby authorizes the applicant:

Amoco Pipeline  
(Last) (First) (Middle)

P.O. Box 1209  
(Street or P.O. Box)

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

to construct, install, or modify a commercial subsurface disposal  
facility located in Sec. 6, T.33N., R.79W.  
(Legal Description)

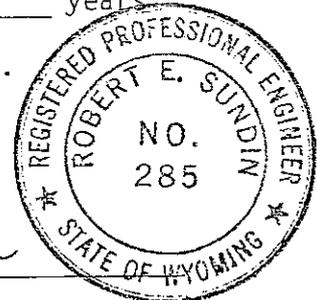
in the County of Natrona, in the State of

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. Janda  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 13, 1979  
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
- Renewal
- Modified

Permit No. 79-162

Hicks Equipment Company Building  
(Name of Facility)

This permit hereby authorizes the applicant:

Hicks, Linden  
(Last) (First) (Middle)

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

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

to construct, install, or modify a commercial  
facility located in Sec. 28, T.34N., R.80W.  
(Legal Description)

in the County of Natrona, in the State of

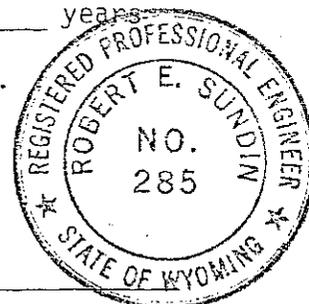
Wyoming. This permit shall be effective for a period of two years

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

AUTHORIZED BY:

William J. Gault  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 13, 1979  
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.

Mailed  
5-3-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-163

Sewer Improvements for Casper - BPU  
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities  
 (Last) (First) (Middle)  
200 N. David  
 (Street or P.O. Box)  
Casper Natrona Wyoming 82601  
 (City) (County) (State)

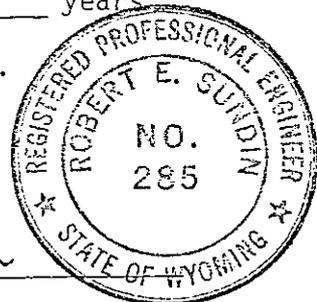
to construct, install, or modify a municipal collection system  
 facility located in Sec. 1, 2, 16 & 17, T33N, R79W  
 (Legal Description)

in the County of Natrona, 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. Galand  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



May 2, 1979  
 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.

\*\*Change Specifications Statement to: All work to be in conformance with the 1978 Standards and Specifications of the Casper Board of Public Utilities, as amended by DEQ letter, May 4, 1978.

cc: Robert Olson  
331 Main  
Lander, WY 82520

M. L.  
8-17-79

PERMIT TO CONSTRUCT

New

Permit No. 79-164RR

Renewal

Modified

DELOZIER BROS. WAREHOUSE AND OFFICE BLDG.  
(Name of Facility)

This permit hereby authorizes the applicant:

DeLozier Harold L  
(Last) (First) (Middle)

P. O. Box 1029  
(Street or P.O. Box)

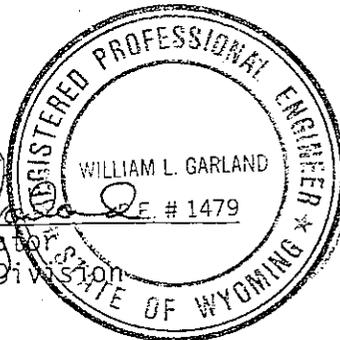
Lander WY 82520  
(City) (County) (State)

to construct, install, or modify a septic tank - leach field  
facility located in Sec. 20, T. 33N, R. 99W  
(Legal Description)

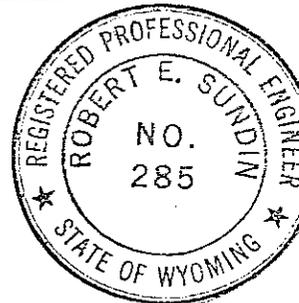
in the County of FREMONT, in the State of  
Wyoming. This permit shall be effective for a period of TWO years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



August 13, 1979  
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: DeLOZIER BROTHERS SEPTIC TANK - DRAINFIELD SYSTEM

ENGINEER: ROBERT A. OLSON  
331 MAIN STREET  
LANDER, WY 82520

OWNER: DeLozier Bros., Inc.  
P. O. Box 1029  
Lander, Wy 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 79-164R

REVIEWING ENGINEER: Rick Engelmann

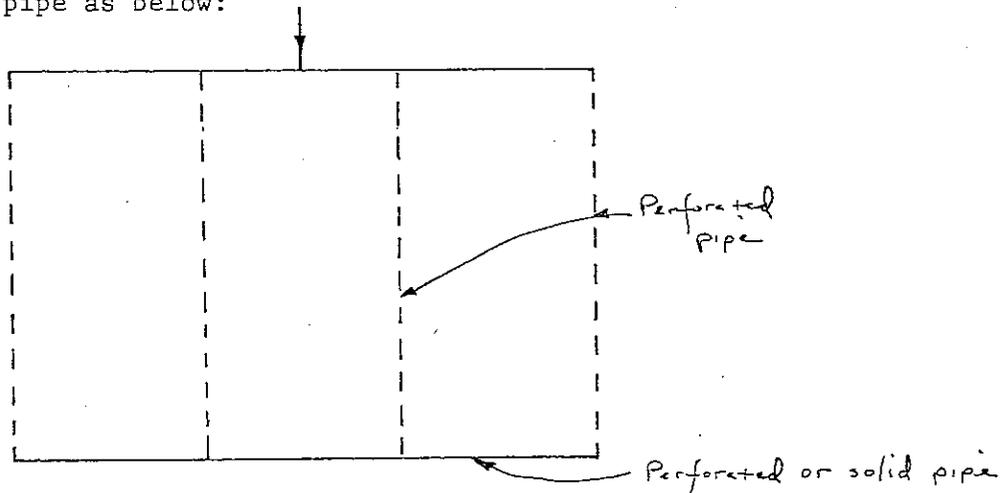


DATE OF REVIEW: July 31, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. The ends of the leach lines must be tied together with a perforated or solid pipe as below:



Once we receive the revised drawings, we will start the permit on its way.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING 82520

PROJECT: DELOZIER BROTHERS SEPTIC TANK-DRAINFIELD SYSTEM

OWNER: DELOZIER BROS. INC.  
P.O. BOX 1029  
LANDER, WYO. 82520.

ARCHITECT OR ENGINEER: ROBERT A. OLSON  
331 MAIN STREET  
LANDER, WYO. 82520

WATER QUALITY DIVISION REFERENCE NUMBER:  
79-164

REVIEWING ENGINEER: RICK ENGELMANN *RE*

DATE OF REVIEW: APRIL 19, 1979

ACTION: NOT AUTHORIZED

COMMENTS:

1. There seems to be some misconception as to how disposal area is calculated. This is not calculated from the outer dimensions of the field. Disposal area is the total area of trench bottoms in the field, i.e.:-

$$\text{Disposal Area} = (\text{lineal feet of perforated pipe}) \times (\text{trench width})$$

2. Our regulations call for a minimum of 6 feet between disposal field trench laterals, not 6 feet between lateral pipes. In other words, if you are using 2-foot trenches, the pipe laterals can be spaced no closer than 8 feet.

3. We will need the following information:

- a. Estimated wastewater flow rate and a small explanation of its basis.
- b. Written spec.s for the pipe, septic tank, and installation procedures. If need be, these could be pulled directly from our reg.s. See enclosed.
- c. The drainfield trench widths and depths of pipe bury.
- d. The drawing signed by Mr. Olson.

NOTE: Maximum permitted sewage application rate (gallons per sq. foot per day) to the disposal field is:

$$\text{Applic. Rate} = \frac{5}{\sqrt{t}}$$

where

$$t = \text{percolation rate} = 53 \text{ min. per inch.}$$

For your site, the application rate is about 0.7 gallons per sq. foot per day.

Back  
m-5 29 79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-165

Amoco Oil Company, Casper Refinery  
(Name of Facility)

This permit hereby authorizes the applicant:

Amoco Oil Company  
 (Last) (First) (Middle)  
 ATTN: Lorin D. Lefevre  
West Yellowstone Highway  
 (Street or P.O. Box)

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

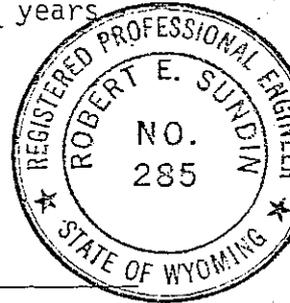
to construct, install, or modify a subsurface disposal  
 facility located in Sec. 8, T3, R79W  
 (Legal Description)

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 J. Galand  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



May 21, 1979  
 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.

Book  
mailed  
5-3-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-166

Trails West Estates - Phase I  
(Name of Facility)

This permit hereby authorizes the applicant:

Larry Redding  
 (Last) (First) (Middle)  
RADIX, Inc.  
350 West "A" Street, Suite 205  
 (Street or P.O. Box)

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

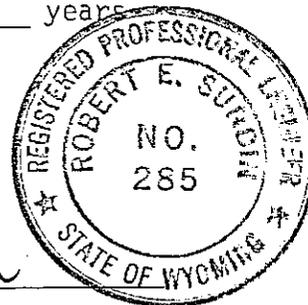
to construct, install, or modify a public water supply distribution & collection system  
 facility located in Sec. 15-22, T33N, R80W  
 (Legal Description)

in the County of Natrona, 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. Ireland  
 Administrator  
 Water Quality Division

Robert E. Sardin  
 Director  
 Wyoming Dept. of Environmental Quality

May 2, 1979  
 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
- Renewal
- Modified

Permit No. 79-167

The Engineers Office Bldg.  
(Name of Facility)

This permit hereby authorizes the applicant:

McDill, T. P.  
(Last) (First) (Middle)

6405 Indian Scout Dr.  
(Street or P.O. Box)

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

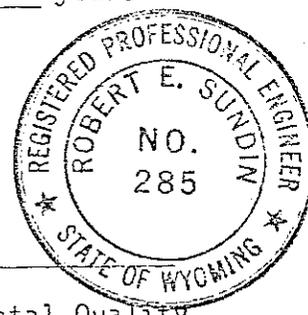
to construct, install, or modify a subsurface disposal  
facility located in Sec. 22, T.30N., R.80W.  
(Legal Description)

in the County of Natrona, 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. Jones  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 13, 1979  
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.

R.L. JACOBSON  
P.O. BOX 1539  
CODY, WY 82414

*Amended  
to  
5-8-79*

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-168

SEWAGE DISPOSAL SYSTEM - AMERICAN COLLOID

(Name of Facility)

This permit hereby authorizes the applicant:

AMERICAN COLLOID

(Last)

(First)

(Middle)

E. OF LOVELL

(Street or P.O. Box)

LOVELL

WY

82431

(City)

(County)

(State)

to construct, install, or modify a SEWAGE DISPOSAL

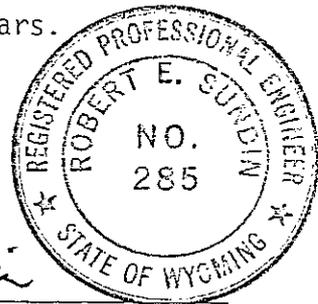
facility located in SEC. 5, T.56N R95W  
(Legal Description)

in the County of BIG HORN, 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 J. Galand*  
Administrator  
Water Quality Division

*Robert E. Sunden*  
Director  
Wyoming Dept. of Environmental Quality



MAY 1, 1979.

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. 79-169RR  
 Ref. No. 78-712

TABLE ROCK PROCESSING PLANT  
 (Name of Facility)

This permit hereby authorizes the applicant:

COLORADO INTERSTATE GAS

(Last) (First) (Middle)

P.O. BOX 1087

(Street or P.O. Box)

COLORADO SPRINGS, COLORADO 80944

(City) (County) (State)

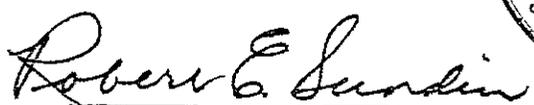
ATTN: R. M. Scott, P.E.

to construct, install, or modify a evaporation pond system  
 facility located in Sec. 12, T. 19N, R. 98W  
 (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  
 P.E. # 1479  
 Administrator  
 Water Quality Division  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF WYOMING

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

August 10, 1979  
 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."



Colorado Interstate Gas Company

P O BOX 1087 • COLORADO SPRINGS, COLORADO 80944 • (303) 473-2300 Ext. 426

79-169 R  
Form 10-79



June 28th, 1979

Re: Proposed Evaporation Pond At CIG's Table Rock Processing Plant

Mr. David W. Hill,  
Environmental Engineer  
Wyoming Department of Environmental Quality  
Water Quality Division  
933 Main Street  
Lander, Wyoming 82520



Dear Dave:

In confirmation of our phone conversation yesterday, I am asking you to hold up the permitting process for the above-mentioned pond until you and I and the contractor designing the pond have a chance to meet; we want to discuss design parameters pertinent to the permit, and decide on an appropriate plan. Geotek, Inc., is currently testing soil taken from the proposed site, and plans to arrive at an estimate of how much clay/soil mix will result in a specified amount of percolation. The report should be valuable in our discussion, so I would like to hold our meeting after receiving the report. I will call you when we can set up a date.

Yours truly,

*Ruth M. Scott*

Ruth M. Scott  
Codes & Standards  
Engineer

Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING 82520

PROJECT: Table Rock Processing Plant  
Sec. 23, T. 19 N., R. 98 W.  
Sweetwater County

ARCHITECT OR ENGINEER: R.M. Scott, P.E., Colorado Interstate Gas Company  
P.O. Box 1087, Colorado Springs,  
Colorado 86944

WATER QUALITY DIVISION REFERENCE NUMBER: 79-169 Cross Ref. 78-712

REVIEWING ENGINEER: <sup>DWH</sup> David W. Hill

DATE OF REVIEW: May 29, 1979

ACTION: Not Authorized

COMMENTS:

1) The permeability tests indicate that on-site soils will not be suitable. A clay or bentonite liner, synthetic liner, or suitable combination is needed. Please keep in mind that the clay or bentonite liner must be kept wet to perform satisfactory. A water depth of much more than nine inches will be needed. A three foot freeboard will also be required.

As we discussed by phone, a combination of scarified-recompacted existing soils followed on top by a 1-2 foot clay barrier should be satisfactory. The use of a clay barrier on the bottom and an artificial lining on the side slopes would also be satisfactory as long as a proper connection between the two lining methods can be accomplished.

Whichever lining method is used, we need complete detailed plans and specifications of the material, installation procedures, operation procedures etc.

PERMIT TO CONSTRUCT

New

Permit No. 79-170

Renewal

Modified

RAWHIDE MINE RESERVOIR #1

(Name of Facility)

This permit hereby authorizes the applicant:

The Carter Mining Company

(Last)

(First)

(Middle)

P.O. Box 209

(Street or P.O. Box)

Gillette

Campbell

Wyoming 82716

(City)

(County)

(State)

to construct, install, or modify a sediment retention reservoir

facility located in Section 12, T.51N., R.72W.

(Legal Description)

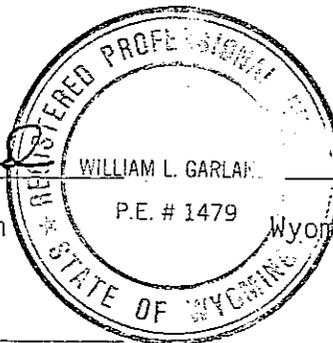
in the County of Campbell, in the State of

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

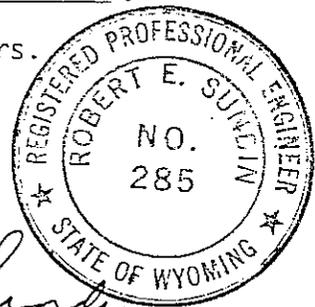
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sunden  
Director  
Wyoming Dept. of Environmental Quality



May 31, 1979  
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. 79-171

Renewal

Modified

RAWHIDE MINE RESERVOIR #2

(Name of Facility)

This permit hereby authorizes the applicant:

The Carter Mining Company

(Last)

(First)

(Middle)

P.O. Box 209

(Street or P.O. Box)

Gillette

Campbell

Wyoming 82716

(City)

(County)

(State)

to construct, install, or modify a sediment retention reservoir

facility located in Sections 14 and 15, T.51N., R.72W.

(Legal Description)

in the County of Campbell,

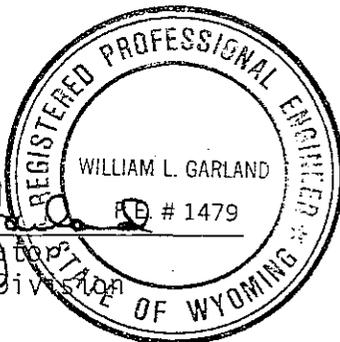
in the State of

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.

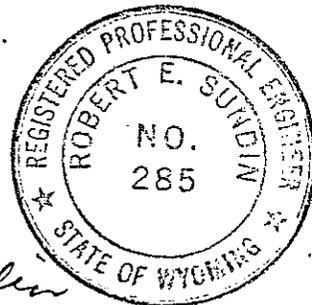
AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sunden

Director  
Wyoming Dept. of Environmental Quality



May 31, 1979

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."

Book M to S  
5-2-79

PERMIT TO CONSTRUCT

New

Permit No. 79-172

Renewal

Modified

Town of Sundance - Water Line Improvement  
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Sundance  
(Last) (First) (Middle)

Town Hall  
(Street or P.O. Box)

Sundance Crook Wyoming 82729  
(City) (County) (State)

to construct, install, or modify a water distribution  
facility located in Section 13, T.52N., R.63W.  
(Legal Description)

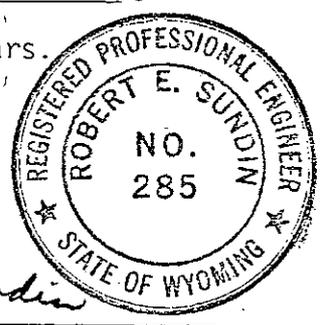
in the County of Crook, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years  
from the date of issuance of this permit not to exceed five (5) years.

cc: Ralph Goodson, Bearlodge Engineering  
Box 125, Sundance, WY 82729

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 2, 1979  
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."

77 to 2  
5-22-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-173

CENTENNIAL SUBDIVISION - MOORCROFT

(Name of Facility)

This permit hereby authorizes the applicant:

Ellison Claude  
 (Last) (First) (Middle)  
 c/o Bearlodge Engineering  
 Box 125  
 \_\_\_\_\_  
 (Street or P.O. Box)

Sundance Crook Wyoming 82729  
 (City) (County) (State)

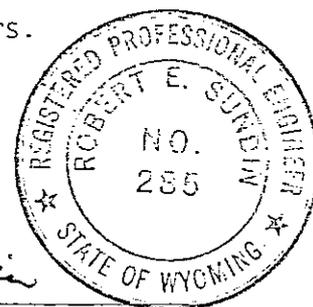
to construct, install, or modify a water distribution and sewage collection  
 facility located in Section 6, T.49N., R.67W.  
 (Legal Description)

in the County of Crook, 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 R. Galad  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



May 21, 1979  
 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."

ATTN: GEORGE DALE CRANK, P.E.  
JOHNSON-FERMELIA & CRANK, INC.  
P.O. BOX 631  
KEMMERER, WYO. 83101

*m to d*  
*5-3-79*

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-174  
(Cross Ref. 76-332R)

PUMP STATION & OUTFALL SEWER  
(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, WYO. 83101

(City) (County) (State)

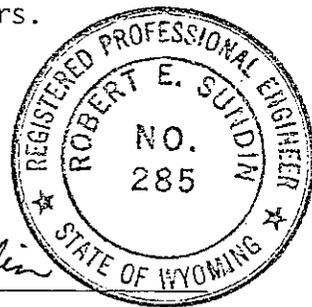
to construct, install, or modify a MUNICIPAL WASTE TREATMENT  
facility located in SEC. 3, 4. & 5, T.18N, R105W  
(Legal Description)

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. Dale  
Administrator  
Water Quality Division

Robert E. Suidin  
Director  
Wyoming Dept. of Environmental Quality



APRIL 30, 1979  
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

PROJECT: CITY OF ROCK SPRINGS  
PUMP HOUSE AND FORCE MAIN,  
SWEETWATER COUNTY

ARCHITECT OR ENGINEER: JOHNSON FERMELIA & CRANK, INC.  
P.O. BOX 631  
KEMMERER, WYO. 83101 ATTN: DALE CRANK, P.E.

WATER QUALITY DIVISION REFERENCE NUMBER: 79-174

REVIEWING ENGINEER: <sup>Dwh</sup>  
DAVID W. HILL

DATE OF REVIEW: APRIL 23, 1979

ACTION: NOT AUTHORIZED

COMMENTS:

1. A "Application for Permit to Construct" is needed.
2. Will larger individual pump intake and discharge piping be needed? Excessive velocities should be avoided.
3. ~~The pump sizes were increased without an increase in wet well size. Please provide information demonstrating that excessive pump cycling will not take place.~~
4. ~~Is the existing emergency generator large enough to handle the new pumps (at least two plus pump house accessories).~~
5. Can the emergency generator remain in the old sewage plant or must a new structure be built for it?

Enc. 2 "App. for Permit to Construct"

DWH/jky

Mailed  
5-3-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-175

Walt's Place  
(Name of Facility)

This permit hereby authorizes the applicant:

Komma, Walter L.  
(Last) (First) (Middle)

600 Boles Road  
(Street or P.O. Box)

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

to construct, install, or modify a commercial subsurface disposal  
facility located in Sec. 13, T33N, R80W  
(Legal Description)

in the County of Natrona, in the State of

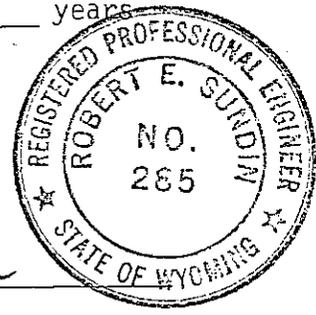
Wyoming. This permit shall be effective for a period of two years

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

AUTHORIZED BY:

William J. Galand  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 2, 1979  
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.

Book - Picked up  
5-1-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-176

Eastward Heights II & Fairdale Heights

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 North David

(Street or P.O. Box)

Casper, Natrona Wyoming 82601

(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system

facility located in Sec. 11, T33N, R79W

(Legal Description)

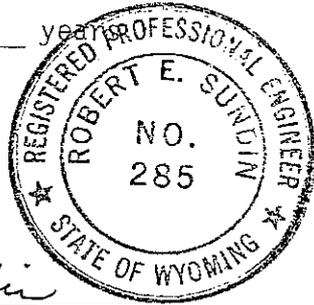
in the County of Natrona, in the State of

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. Gale  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 1, 1979  
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.

*Booked*  
*M-102*  
*5-1-79*

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 79-177

CLIFF VIEW MOBILE HOME COURT

(ORIGINALLY PERMITTED ON 24 NOVEMBER, 1978. PERMIT 78-551RR)

(Name of Facility)

This permit hereby authorizes the applicant:

J.R. CONTRACTOR, INC.

(Last)

(First)

(Middle)

RT. 1, P.O. BOX 555

(Street or P.O. Box)

RIVERTON,

WYO.

82501

(City)

(County)

(State)

to construct, install, or modify a WATER DISTRIBUTION

facility located in SEC. 35, T.1N, R4E

(Legal Description)

in the County of FREMONT,

in the State of

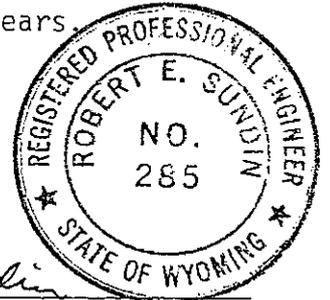
Wyoming. This permit shall be effective for a period of 2 years

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

AUTHORIZED BY:

William L. Galand  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



APRIL 24, 1979.

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

7/2/79  
M 405  
6-22-79

- New
- Renewal
- Modified

Permit No. 79-178R

SPARROW HAWK HILL TWO  
(Name of Facility)

This permit hereby authorizes the applicant:

McStain Enterprises, Inc.  
(Last) (First) (Middle)

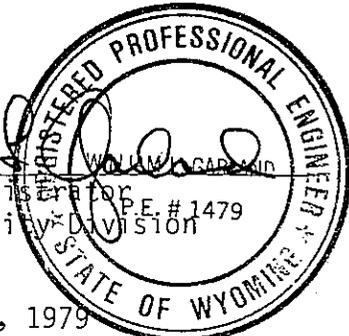
212 West Burkitt  
(Street or P.O. Box)

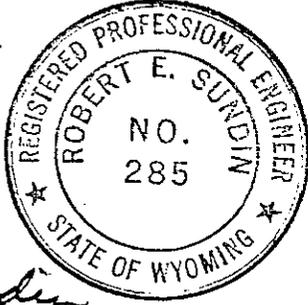
Sheridan Sheridan Wyoming 82801  
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection  
facility located in Section 28; T.56N., R.84W.  
(Legal Description)

in the County of Sheridan, 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 J. Gardner  
 Administrator  
 Water Quality Division  
 P.E. # 1479  


Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality  


June 20, 1979  
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 to J  
6-19-79

PERMIT TO CONSTRUCT

New

Permit No. 79-179RR

Renewal

Modified

Green Mountain Village No. 3  
(Name of Facility)

This permit hereby authorizes the applicant:

Green Mountain Village, Inc.

(Last)

(First)

(Middle)

277 Main Street

(Street or P.O. Box)

Lander  
(City)

WY  
(County)

82520  
(State)

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

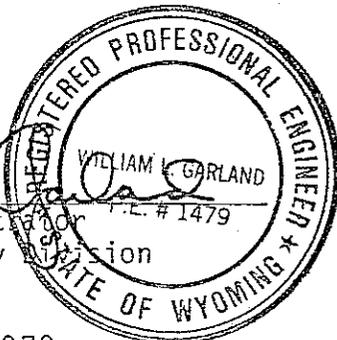
facility located in Sec. 14, T. 29N, R. 92W

(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.

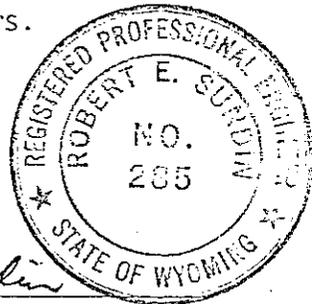
AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sardin  
Director

Wyoming Dept. of Environmental Quality



June 11, 1979

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: Green Mountain Village No. 3

ENGINEER: Rollins, Brown, and Gunnell, Inc.  
P.O. Box 711  
Provo, Utah 84601

OWNER: Green Mountain Village, Inc.  
277 Main  
Lander, Wyoming 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 79-179R

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: June 1, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

Water Storage Tank

The outlet of the water overflow pipe must be screened.

Water Distribution System

It is not clear in your spec. what SDR PVC pipe it is proposed to use. Division policy is to require banded saddles for water service taps into all pipe thinner than SDR 18 - it appears you are proposing to use standard corp. stops.

Sewage Collection System

I could not find on your drawings a specification of 1/8" per foot slope for the trailer service connections.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
933 MAIN STREET,  
LANDER, WYOMING 82520

PROJECT: GREEN MOUNTAIN VILLAGE NO. 3  
OWNER: GREEN MOUNTAIN VILLAGE, INC. 277 MAIN, LANDER, WYO. 82520

ARCHITECT OR ENGINEER: ROLLINS, BROWN, & GUNNELL, INC.  
P.O. BOX 711  
PROVO, UTAH, 84601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-179

REVIEWING ENGINEER: RICK ENGELMANN R.E.

DATE OF REVIEW: MAY 4, 1979

ACTION: NOT AUTHORIZED

COMMENTS:

WATER STORAGE TANK:

1. There is a discrepancy between well-storage tank layout shown on P. 3 and the one on P. 11. Please clarify.
2. We need the following:
  - a. Details on the shell manhole, overflow, and vent. Pay particular attention to applicable sections in Ten States Std. and AWWA D100.
  - b. Proposed wall thickness and steel type (note that AWWA D100 does not specifically cover stand pipes this small).
  - c. Proposed method for fabricating tank - welding or bolting?
  - d. Proposed method for joining inlet/outlet pipes to the tank.

WATER DISTRIBUTION:

1. The specified hydrostatic test spec. (12.1) is outdated. The most current is C600-77, Sect. 4. A copy of this must be provided with the spec. since I doubt the contractor will have a copy.
2. The disinfection spec. (12.1) does not conform with AWWA C601-68 because it does not require a residual after 24 hours. If you are calling out this spec., please provide a copy with the spec.s.
3. We need the following:-
  - a. Size of thrust blocking, basis for selection, and locations where these must go.

REVIEW OF PLANS AND SPECS.  
GREEN MOUNTAIN VILLAGE NO. 3  
79-179  
MAY 4, 1979  
NOT AUTHORIZED.

- 2 -

WATER DISTRIBUTION CONT'D...

- b. Specifications for corporation stops, water riser, and installation spec.s for same.

SEWAGE COLLECTION SYSTEM:

1. I believe that the ASTM spec. is D3034 rather than C3034(133).
2. Sewer service pipe must be sloped at at least 1/8" per foot.
3. We need the following:
  - a. Specification of SDR and complete solvent-welding procedures for PVC pipe.
  - b. If PVC is being used for the collection pipe, there must be specification of maximum allowable deflection and testing for same.
  - c. Some definition (drawing or otherwise) of "Class C" bedding (13.5).
  - d. If it is proposed to use a saddle for tapping into a sewage main line, we will accept a minimum of a banded saddle with gasket. The saddle shall provide for the service line to enter the main line at a maximum of 45° in the direction of flow. For such an arrangement, we will need complete installation and material specifications. (Generally we prefer single piece plastic wyes.)

SEWAGE LAGOONS:

1. I assume that at the time the lagoon plans were initially submitted, some type of report detailing the design basis for the lagoons was sent to this department. Could a copy be sent up? I am particularly interested in the analyses of the native soils that are proposed for lagoon construction, and the description of the subsoil and groundwater conditions in the area.
2. It is not clear on P.10 how sewage is distributed among the lagoons,

GENERAL:

1. Please provide a location map of the trailer park.

RE/jky

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

Robert Ablondi  
Teton County Planning  
Teton County Courthouse  
Jackson, Wyoming 83001

7/20/79  
6.6

PERMIT TO CONSTRUCT

New

Permit No. 79-180R

Renewal

Modified

~~Aspens Wastewater Disposal Field Phase II~~  
(Name of Facility)

This permit hereby authorizes the applicant:

~~Racquet Club Ventures, Inc.~~  
(Last) (First) (Middle)

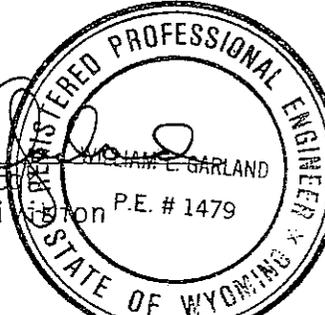
~~Star Route Box 362~~  
(Street or P.O. Box)

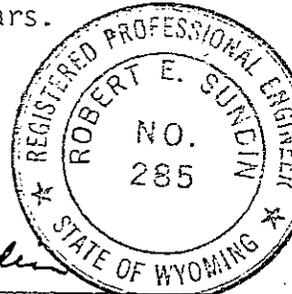
~~Jackson, Wyoming 83001~~  
(City) (County) (State)

to construct, install, or modify a lift station-elevated leach field  
facility located in Sec. 11, T. 41 N., R. 117 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  
Administrative Director  
Water Quality Division P.E. # 1479  


Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality  


May 29, 1979  
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: Aspens Wastewater Disposal Field - Phase II  
Sec. 11, T. 41 N., R. 117 W. Teton County

ENGINEER: Peter M. Jorgensen P.E.  
P. O. Box 1142  
Jackson, Wyo. 83001

OWNER: Racquet Club Ventures, Inc.  
Star Route Box 362  
Jackson, Wyo. 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-180

REVIEWING ENGINEER: *DW*  
David W. Hill

DATE OF REVIEW: May 14, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

- 1) How will the distribution network be tested to insure proper distribution?
- 2) The specifications on the graded filter material is loose. A complete sieve analysis of the sand is needed.
- 3) How will venelation be provided in the pump vault?  
Will forced venelation be needed?
- 4) What operational steps, maintenance steps, plant modifications, etc. have or will be taken to insure plant reliability in maintaining a reasonably low suspended solids content in the effluent? Please submit a time schedule for implementation. Also, how will excess sludge in the plant be handled?

PERMIT TO CONSTRUCT

11/10/79  
5-15-79

New

Permit No. 79-181RR

Renewal

Modified

GOSAR'S TRAILER COURTS WATER AND SEWER  
(Name of Facility)

This permit hereby authorizes the applicant:

GOSAR JOHN  
(Last) (First) (Middle)

P. O. BOX 775  
(Street or P.O. Box)

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

to construct, install, or modify a water distribution and sewage collection  
facility located in Sec. 3, T. 18N, 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.

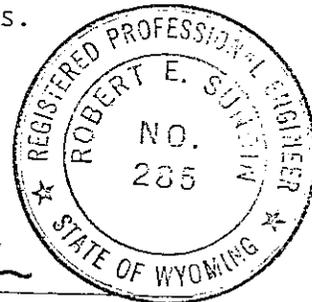
AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sordin  
Director

Wyoming Dept. of Environmental Quality



August 2, 1979  
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

PROJECT: GOSAR'S TRAILER COURTS  
OWNER: JOHN GOSAR, P.O. BOX 775, ROCK SPRINGS, WYO. 82901

ARCHITECT OR ENGINEER: JACK E. HANSEN  
P.O. BOX 1813  
ROCK SPRINGS, WYO. 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 79-181

REVIEWING ENGINEER:   
DOUG CRAIG D.C.

DATE OF REVIEW:

ACTION: MAY 1, 1979

COMMENTS: NOT AUTHORIZED

1. The State regulations for manholes is as follows:

Manholes shall be installed at the end of each line, changes in direction, size or grade, and at a maximum spacing of 400 feet for sewers 15 inches or less. Manholes or clean-outs may be installed at the end of a lateral in place of a manhole, if the length of the lateral is less than 150 feet. A sewer riser for a mobile home connection is not considered a clean-out. Manholes or clean-outs shall not be located under a space occupied by a mobile home. The minimum diameter of manholes shall be forty-two (42) inches. The flow channel through the manholes shall slope toward the direction of flow.

You have several deviations from these regulations on your plan sheet.

2. Specify deflection and infiltration requirements for the sewer line.

DC/jky

79-182

Collins Draw

replaced by 79-323

Book  
M-  
5-27-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-183

Septic System for Gettman Trailer Unit  
(Name of Facility)

This permit hereby authorizes the applicant:

Scott Gettman

(Last) (First) (Middle)

1434 S. Holly

(Street or P.O. Box)

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

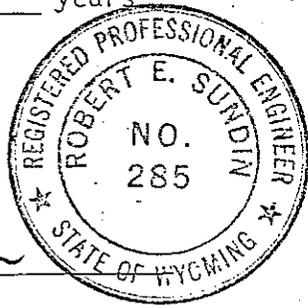
to construct, install, or modify a small subsurface disposal  
facility located in Sec. 14, T34N, R78W  
(Legal Description)

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 J. Galand  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality

May 23, 1979

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
- Renewal
- Modified

Permit No. 79 - 184

Septic System for True Drilling Company

(Name of Facility)

This permit hereby authorizes the applicant:

Mallick

Bill ( Agent - True Drilling Co.)

(Last)

(First)

(Middle)

600 East First Street

(Street or P.O. Box)

Casper

Natrona

Wyoming

(City)

(County)

(State)

to construct, install, or modify a Septic System & Grey Water System

facility located in Section 5, T33N, R79W

(Legal Description)

in the County of Natrona, in the State of

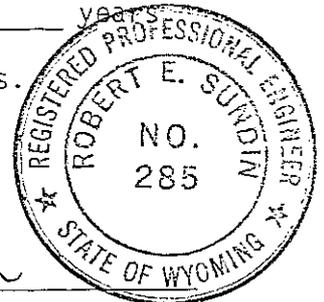
Wyoming. This permit shall be effective for a period of 2 years

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

AUTHORIZED BY:

William L. Galand  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



May 17, 1979

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.

2000  
79-18-17-59

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Septic System For True Drilling Company, Casper, Wyoming

ARCHITECT OR ENGINEER: Worthington, Lenhart & Carpenter, Inc. Casper, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 79-184

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

DATE OF REVIEW: May 16, 1979

ACTION: CONSTRUCTION AUTHORIZED

COMMENTS: The recommendations pertaining to the grey water system which are set forth below were discussed by telephone on May 16, 1979 with Mr. Mike Bell of the Engineer's staff.

1. To avoid freezing it is recommended that the inlets to the ponds be located near the bottom of each pond at a point where there will be a minimum of 2 feet of liquid above the top of pipe at all times.
2. Where needed to prevent earth erosion, concrete splash pads should be provided beyond the discharge end of each pond inlet pipe.
3. To protect the building waste water line against stoppage and/or reduced flow capacity it is recommended that a "sand and grease" trap be provided in this line as close to its upper end as practical.

4-4-84

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 3, 1984

Town of Mills  
P.O. Drawer 789  
Mills, WY 82644

Dear Sir:

On March 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 79-185, facility name Town of Mills Chlorination & Pump House #3. 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.

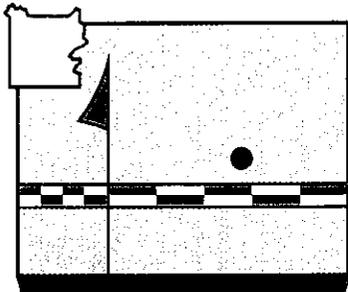
This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this 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: Terry L. Titus  
Worthington, Lenhart, Carpenter & Johnson, Inc.  
632 South David  
Casper, WY 82601



WORTHINGTON, LENHART,  
CARPENTER and JOHNSON, INC.

CONSULTANTS:  
ENGINEERING, LAND SURVEYING AND LAND PLANNING

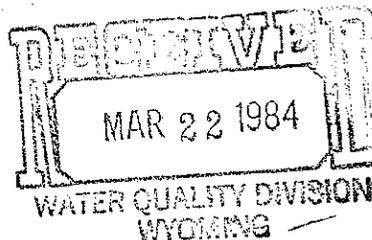
632 SOUTH DAVID STREET

CASPER, WYOMING 82601

PHONE 307/266-2524

March 20, 1984

Department of Environmental Quality  
Water Quality Division  
1111 E. Lincolnway  
Cheyenne, WY 82002



RE: TOWN OF MILLS CHLORINATION AND  
PUMP HOUSE BUILDING NO. 3: DEQ  
REFERENCE NO. 79-185

Mr. Leroy C. Feusner:

In response to your letter of inquiry, dated March 14, 1984, concerning the above mentioned project, I offer the following information.

The plans as originally submitted were for the installation of a chlorination system to the existing Well No. 3. Well No. 3 Pump House was constructed, to the best of my knowledge, during the mid 1960's from plans dated November 1965 by Robert L. Streeter, Consulting Engineer, Casper, Wyoming.

During the course of review of the plans for Well No. 3 Chlorination System, the Town of Mills submitted to DEQ plans for a new Well No. 6, Central Chlorination and Laboratory Building dated April 1980. At that time the Well No. 3 plans were marked not constructed by Michael R. Bell (formerly of our office). As Well No. 6 was approved, constructed and now is in operation, the chlorination system in Well No. 3 was not built, although the well itself operates as part of the Town's water system. That room is now used for storage only.

I hope this clarifies the situation.

Respectfully,

WORTHINGTON, LENHART, CARPENTER AND JOHNSON, INC.

*Terry L. Titus*

Terry L. Titus, P.E.  
Engineering Representative for the Town of Mills

cc: Town of Mills

3-14-84



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 14, 1984

Town of Mills  
P.O. Drawer 789  
Mills, WY 82644

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:	Chlorination & Pumphouse Building #3, Town of Mills
DEQ/WQD Reference Number:	79-185
Engineering Consultant:	E. C. Lenhart, Worthington, Lenhart, Carpenter & Johnson
DEQ/WQD Reviewing Engineer:	Robert Pinther
Date of DEQ/WQD Review:	May 23, 1979

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.

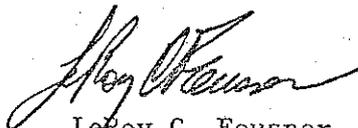
The application will be resubmitted within 30 days.

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: E. C. Lenhart  
Worthington, Lenhart, Carpenter & Johnson  
632 South David  
Casper, WY 82601

*Book*  
N. 5-25-77  
5-27-77

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Chlorination & Pumphouse Building No. 3, Town of Mills, Natrona Co.

ARCHITECT OR ENGINEER: Worthington, Lenhart & Carpenter  
632 S. David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-185.

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

DATE OF REVIEW: May 23, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Well and Pumphouse

1. Show the location of well in respect to the river, existing buildings, storm or sanitary sewers, septic tanks, drainfields, and other sources of contamination.
2. Eliminate the pit above the well by extending the well curbing to a point at least 18 inches above ground level.
3. Surround the well curbing to a depth of at least 10 feet below existing ground surface with at least 6-inches of watertight concrete poured in one operation.
4. Complete the well and install the pump as illustrated in the enclosed sketch entitled "Proper Dug Well Installation". The pipe sleeve cast in the well cover shall extend up into the base of the pump housing at least one inch as illustrated.

Note: If a removable well cover is to be employed, a watertight joint shall be made where the cover rests on the well curbing and the cover shall overlap downward at least 2 inches around the outside of the curbing.

5. The access manhole in the cover shall have a curb at least 4 inches high and the cover shall extend down around the curb at least 2 inches.

6. Provide a floor drain which discharges to the surface or a gravel pocket at least 30 feet from the well.
7. Locate the pump discharge pipe and valves above the pumphouse floor.
8. Provide a sampling tap on the pump discharge pipe at a point where positive pressure is maintained.
9. Specify that the ground surface shall slope away from the well for a distance of at least 50 feet in all directions.
10. Submit a chemical analysis of water from the well to determine the suitability of the water as a potable source.
11. Provide a well casing vent to atmosphere. The vent shall terminate in a downturned position. The open end of the vent shall be at least 1½ inch diameter and shall be located at least 2 feet above the pumphouse floor. It shall have a 24 mesh corrosion resistant screen over the open end.
12. Provide for disinfecting the well and all pipe prior to placing into service by contact for a period of at least 24 hours with a solution containing at least 50 parts per million available chlorine.
13. Provision should be made for flushing well water to waste. However, no direct connection shall be made to any sewer line and no sewer line shall be located within 50 feet of the well.

#### Chlorination

1. Indicate capacity of the chlorinator and capacity of the wells to be served.

Note: The chlorinator capacity shall be enough to provide a free chlorine residual of 2 parts per million in the water after a 30 minute contact period.

2. The air intake for the chlorination room shall be near the ceiling.
3. A hand operated switch for the chlorination room fan should be provided outside the building at the door so the exhaust fan can be operated without opening the door.
4. The light switch should be provided at the door outside the chlorination room.
5. Provide respiratory protection equipment for protection against chlorine gas. The equipment shall be readily available outside the building. The equipment should preferably be of the self-contained compressed air type with at least 30 minutes capacity.

Review of #79-185

May 23, 1979

Page three

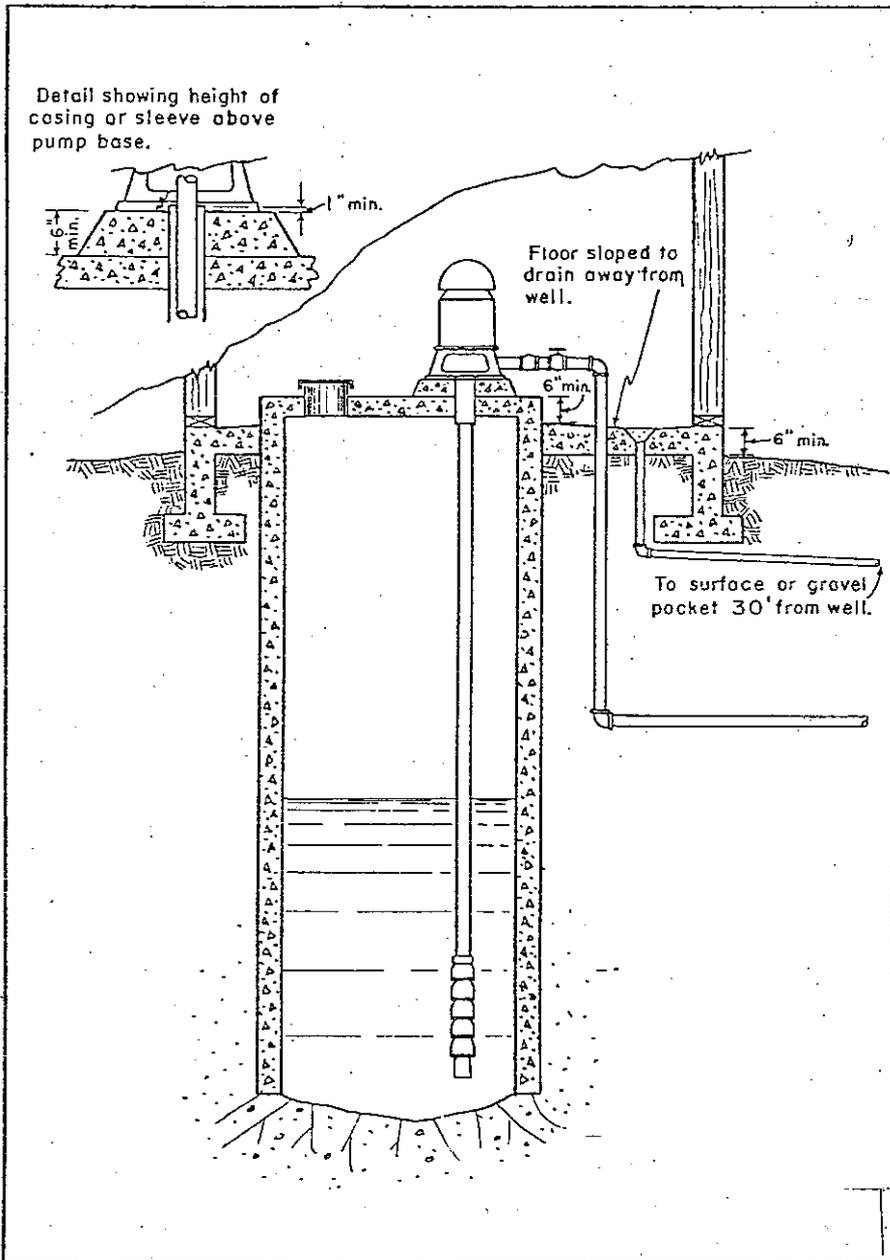
6. A bottle of ammonium hydroxide shall be available for chlorine leak detection.

Water Mains

1. Submit plans showing the water main which connects the well to the water distribution system.
2. Show any sewers located within 10 feet of the water main and specify adequate protection and/or separation as specified in the "Ten State" Standards for Water Works, 1968 Edition.
3. Indicate the material of which the water main is to be constructed.
4. Indicate what specifications are to govern the construction of the water main connection to the distribution mains.

Enclosure: 1

RHP/nc



Proper Dug Well Installation.

Mailed  
5-3-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-186

Mountain View Water Connection  
(Name of Facility)

This permit hereby authorizes the applicant:

Larry Redding  
 (Last) (First) (Middle)  
RADIX, INC.  
350 W. "A" Street, Suite 205  
 (Street or P.O. Box)

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

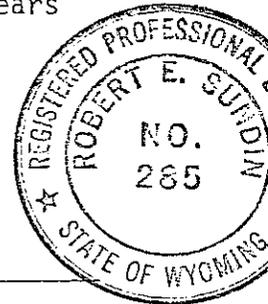
to construct, install, or modify a public water supply (distribution system)  
 facility located in Sec. 7, T33N, R79W  
 (Legal Description)

in the County of Natrona, 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. Janda  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



May 2, 1979  
 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.

Mailed  
5-3-79

PERMIT TO CONSTRUCT

New

Permit No. 79-187

Renewal

Modified

Sun Valley Addition, 13th Filing

(Name of Facility)

This permit hereby authorizes the applicant:

Sun Valley Homes, Inc.

(Last)

(First)

(Middle)

1207 West 22nd Street

(Street or P.O. Box)

Cheyenne,

Laramie,

Wyoming 82001

(City)

(County)

(State)

to construct, install, or modify a municipal distribution & collection system

facility located in Sec. 35, T13N, R66W

(Legal Description)

in the County of Laramie, 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.

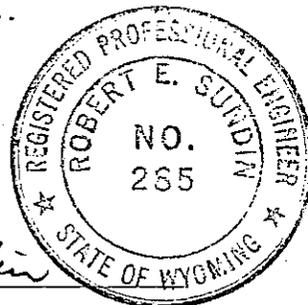
AUTHORIZED BY:

William L. Paul

Administrator  
Water Quality Division

Robert E. Suidia

Director  
Wyoming Dept. of Environmental Quality



May 2, 1979

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."

Book  
79-5-28-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-188R

Big Country Mobile Home Park  
(Name of Facility)

This permit hereby authorizes the applicant:

Frank Neal  
(Last) (First) (Middle)

3400 S. Greeley Highway  
(Street or P.O. Box)

Cheyenne, Laramie, Wyoming 82001  
(City) (County) (State)

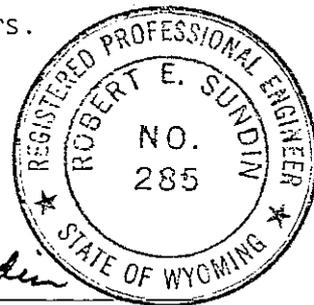
to construct, install, or modify a distribution & collection system  
(public water supply)  
facility located in Sec. 20, T14N, R66W  
(Legal Description)

in the County of Laramie, 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 J. Gales  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 21, 1979  
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."

Book  
M-5-15-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Big Country Estates Mobile Home Park, Cheyenne, Wyoming, Laramie Co.

ARCHITECT OR ENGINEER: Joe Kub, BRW Noblitt, 1709 Carey Avenue, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER:

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

DATE OF REVIEW: May 10, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION



COMMENTS:

1. All plans must be signed by a Professional Engineer licensed in Wyoming.
2. Sheet #3 of 8 and page SP-4 of specifications do not agree. Paragraph 2.5.2 indicates correctly that a cement collar shall be poured around the packed joint for sewer crossings over a water main. Indicate cement collar on drawings.
3. Sewer riser pipe shall be protected by concrete at ground surface a minimum of 4 inches thick and 12 inches in diameter. Riser pipe shall terminate a minimum of 4 inches above natural ground, standing water, or surface water runoff, whichever elevation is higher. (DEQ Rules and Regulations, Chapter III, page 11.)

Book  
m to s  
5-29-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-189

MDU WAREHOUSE SEWAGE FACILITY  
(Name of Facility)

This permit hereby authorizes the applicant:

Montana Dakota Utilities, Inc.

(Last) (First) (Middle)

54 South Main Street

(Street or P.O. Box)

Sheridan, WY 82801

(City) (County) (State)

to construct, install, or modify a subsurface sewage disposal  
facility located in Section 2, T.55N., R.84W.  
(Legal Description)

in the County of Sheridan, in the State of  
Wyoming. This permit shall be effective for a period of two (2) years

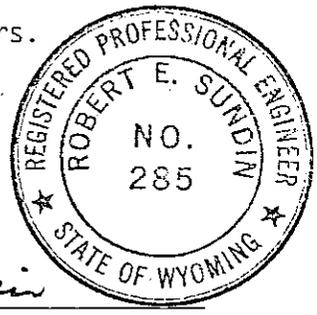
from the date of issuance of this permit not to exceed five (5) years.

cc: Joe Hollingsworth, County Engineer  
Lord & Associates, Attention: Bill Hill

AUTHORIZED BY:

William L. Galad  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 25, 1979

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. 79-190

Renewal

Modified

Snowy Range Heights Water Main Extension & Fire Hydrant Installation  
(Name of Facility)

This permit hereby authorizes the applicant:

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

Box 486  
(Street or P.O. Box)

Saratoga Carbon Wyoming 82331  
(City) (County) (State)

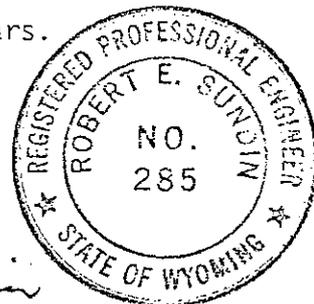
to construct, install, or modify a public water supply distribution system  
facility located in Sec. 14, T.17, R.84  
(Legal Description)

in the County of Carbon, 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. Galas  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 23, 1979  
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."

*Book*  
*M-7-9-79*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Standard Specifications & Design Criteria for Water Mains and Sanitary Sewers - 1979, Casper Board of Public Utilities, Casper, WY

ARCHITECT OR ENGINEER: Colin Cunningham, Civil/Sanitary Engineer, Casper Board of Public Utilities, 200 N. David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-191RR

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

DATE OF REVIEW: July 5, 1979

ACTION: APPROVED

COMMENTS:



*Department of Environmental Quality*  
*Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 6, 1979

Mr. Colin Cunningham  
Civil/Sanitary Engineer  
Casper Board of Public Utilities  
200 N. David  
Casper, WY 82601

Re: Revised Copy of "Review of 1979  
Water & Sewer Standard Specifications",  
Water Quality Division Ref. #79-191

Dear Mr. Cunningham:

This is to confirm our conversation pertaining to the referenced item during your telephone call to this office on June 4, 1979.

As you indicated, the specified leakage of 0.2 gallons per inch diameter per 1000 lineal feet of main during the 2 hour test as set forth in the Standard Specifications submitted for review is accurate.

We are enclosing a copy of our revised review of specifications date June 4, 1979.

Thank you for bringing this matter to our attention.

Sincerely,

*Robert H. Pinther*  
Robert H. Pinther, P.E., M.S.  
Environmental Engineer, Area IV

PHP/nc

Enclosure

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Standard Specifications, Water & Sewer - 1979, Natrona Co.

ARCHITECT OR ENGINEER: Colin Cunningham, Civil/Sanitary Engineer, Casper Board  
of Public Utilities, Casper, WY

WATER QUALITY DIVISION REFERENCE NUMBER: 79-191

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

DATE OF REVIEW: May 29, 1979, Revised June 4, 1979

ACTION: NOT AUTHORIZED

COMMENTS:

Water

1. Insert the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".
2. The open end of each air relief pipe shall be extended from the manhole to a point at least one foot above ground and provided with a screened, downward facing elbow.

Sewer

Insert the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".

*Book*  
11-5-31-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Standard Specifications, Water & Sewer - 1979, Natrona Co.

ARCHITECT OR ENGINEER: Colin Cunningham, Civil/Sanitary Engineer, Casper Board  
of Public Utilities, Casper, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 79-191

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

DATE OF REVIEW: May 29, 1979

ACTION: NOT AUTHORIZED

COMMENTS:

Water

1. Insert the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".
2. Reduce the allowable leakage in Article 19 G. Pressure Test from 0.2 to 0.1 gallons per inch diameter per 1000 lineal feet of main being tested.
3. The open end of each air relief pipe shall be extended from the manhole to a point at least one foot above ground and provided with a screened, downward facing elbow.

Sewer

Insert the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".



*Department of Environmental Quality*

*Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

May 30, 1979

Mr. Colin Cunningham  
Civil/Sanitary Engineer  
Casper Board of Public Utilities  
200 N. David  
Casper, WY 82601

Re: Review of (1) 1979 Water & Sewer  
Standard Specifications and (2)  
1979 Water & Sewer Design Criteria,  
Casper Board of Public Utilities

Dear Mr. Cunningham:

We are enclosing our review of 1979 Water and Sewer Standard Specifications bearing Water Quality Division Reference Number 79-191.

We appreciate the opportunity to review these specifications which can be authorized upon completion of the changes noted in the review.

It is our suggestion that the aforementioned changes and the items listed below be incorporated in the 1979 Water and Sewer Design Criteria. Conflicting criteria should, at the same time, be removed.

State Standards not covered in the design criteria or the standards submitted:

I. Water

- A. Sewer Manholes - Section 8.4.4\*
- B. Surface Water Crossings - Section 8.7\*
- C. Cross Connections and Interconnections - Section 8.8\*

II. Sewer

- A. High Velocity Protection - Section 25.6\*\*
- B. Anchors - Section 25.3 entitled "Slope"\*\*
- C. Water Supply Interconnections - Section 29.1\*\*

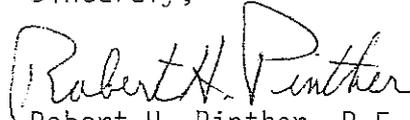
\*Excerpts from "Ten State Standards" for Water Works, 1968 Edition, enclosed.

\*\*Excerpts from "Ten State Standards" for Sewage Works, 1973 Edition, enclosed.

Mr. Colin Cunningham  
May 30, 1979  
Page two

Please feel free to let us know if you have any questions or desire additional information in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Robert H. Pinther". The signature is written in dark ink and is positioned above the typed name and title.

Robert H. Pinther, P.E., M.S.  
Environmental Engineer, Area IV

RHP/nc

Enclosures

801  
5-17-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-192

1st Phase Wastewater Lagoon System - Winchester Hills 1st Filing  
(Name of Facility)

This permit hereby authorizes the applicant:

Winchester Hills Assoc.

(Last) (First) (Middle)

1111 E. Lincolnway

(Street or P.O. Box)

Cheyenne, Laramie, Wyoming 82001  
(City) (County) (State)

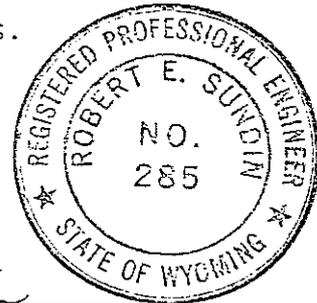
to construct, install, or modify a evaporative  
facility located in Sec. 32, T13N, R66W  
(Legal Description)

in the County of Laramie, 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:

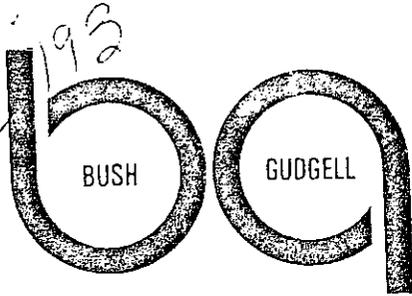
William J. [Signature]  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



May 11, 1979  
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."



BUSH & GUGGELL, INC.  
ENGINEERING AND LAND SURVEYING  
P.O. BOX 1144 • ROCK SPRINGS, WYOMING 82901  
TELEPHONE (307) 382-2876

May 7, 1979



Mr. Dave Hill  
D.E.Q.  
933 Main Street  
Lander, Wyoming 82520

79-193  
Cross R-t  
78-379

Dear Dave:

This letter is in response to your questions regarding the status of the Granger Park Subdivision in Granger, Wyoming.

Because of the probable relocation of the Town's lagoon site to the east side of U.S. 30, it is conceivable that the design of the sanitary sewer system within the subdivision may have to be altered, even to the extent of eliminating the lift station.

In this light, it is our suggestion that your organization temporarily table the set of plans that we have submitted to you until the Town makes up its mind exactly where the lagoon will be, and we have adapted our sewer system to it.

I will keep you personally informed of any developments that we become aware of.

Sincerely,

Leon R. Kjellgren  
Professional Engineer

LK/tt

SALT LAKE CITY, UTAH  
PHONE (801) 364-7775



ST. GEORGE, UTAH  
PHONE (801) 673-2337

79-194  
5-3-79

PERMIT TO CONSTRUCT

New

Permit No. 79-194

Renewal

Modified

KLEIN (101) FOURPLEX

(Name of Facility)

This permit hereby authorizes the applicant:

KLEIN

RUSSELL

C

(Last)

(First)

(Middle)

P.O. BOX 2021

(Street or P.O. Box)

ROCK SPRINGS

SWEETWATER

WYOMING 82901

(City)

(County)

(State)

to construct, install, or modify a SEPTIC TANK - LEACH FIELD

facility located in SEC. 4 T19N R105W

(Legal Description)

in the County of SWEETWATER, in the State of

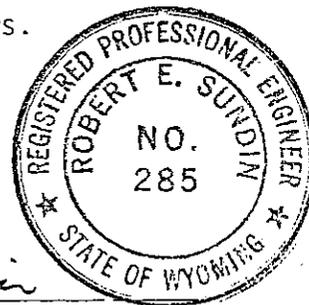
Wyoming. This permit shall be effective for a period of two years

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

AUTHORIZED BY:

William J. Janda  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 30, 1979  
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: Bennett-Carder & Associates  
P. O. Box 1324  
Rock Springs, WY 82901

cc: Klein Drilling  
P. O. Box 2021  
Rock Springs, WY 82901

PERMIT TO CONSTRUCT

New

Permit No. 79-195R

Renewal

Modified

Engman #1

(Name of Facility)

This permit hereby authorizes the applicant:

Engman  
(Last)

Dean  
(First)

(Middle)

530 Vanburean

(Street or P.O. Box)

Midvale  
(City)

Utah  
(County)

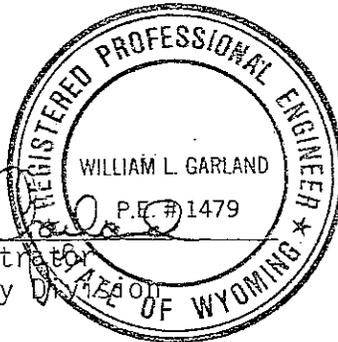
84047  
(State)

to construct, install, or modify a septic tank - leach field  
facility located in Sec. 4, T. 19N, R. 105W  
(Legal Description)

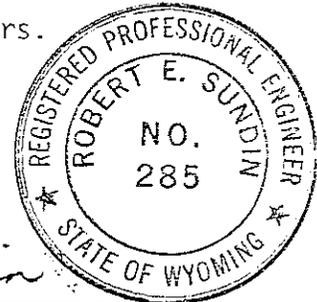
in the County of SWEETWATER, in the State of  
Wyoming. This permit shall be effective for a period of TWO years  
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
Administrator  
Water Quality Division



Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



8-21-79  
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

PROJECT: ENGMAN FOURPLEX

OWNER: DEAN ENGMAN - 530 VANBUREAN

MIDVALE, UTAH, 84047.

ARCHITECT OR ENGINEER: HARRY J. KESSNER

P.O. BOX 1324

WATER QUALITY DIVISION REFERENCE NUMBER: ROCK SPRINGS, WYO. 82901

79-195

REVIEWING ENGINEER: DOUG CRAIG *D.C.*

DATE OF REVIEW: APRIL 30, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Please indicate the trench width.

Note: It is necessary to have approximately 1350 ft<sup>2</sup> of the trench bottom for this particular design.

DC/jky

77 to f  
5-3-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-196

KLEIN (102) FOURPLEX

(Name of Facility)

This permit hereby authorizes the applicant:

KLEIN                      RUSSELL                      C  
 (Last)                                      (First)                                      (Middle)

P.O. BOX 2021  
 (Street or P.O. Box)

ROCK SPRINGS                      WYOMING                      82301  
 (City)                                      (County)                                      (State)

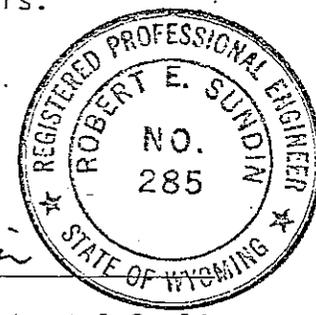
to construct, install, or modify a SEPTIC TANK-LEACH FIELD  
 facility located in SEC. 4 T19N R105W  
 (Legal Description)

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 J. Galand  
 Administrator  
 Water Quality Division

Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



APRIL 30, 1979  
 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."

Book  
Picked up  
4-30-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-197

Provence Addition  
(Name of Facility)

This permit hereby authorizes the applicant:

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

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

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

to construct, install, or modify a municipal distribution & collection system  
facility located in Sec. 2, T.33N., R.79W.  
(Legal Description)

in the County of Natrona, in the State of

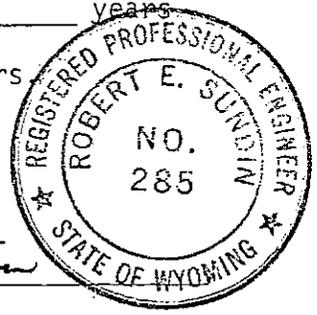
Wyoming. This permit shall be effective for a period of two years

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

AUTHORIZED BY:

William L. Gales  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality



April 30, 1979  
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
- Renewal
- Modified

Permit No. 79-198M  
 Ref. No. 78-254  
75-24

Westwood Mobile Home Court  
 (Name of Facility)

This permit hereby authorizes the applicant:

William F. Werkele  
 (Last) (First) (Middle)

4732 Greybull  
 (Street or P.O. Box)

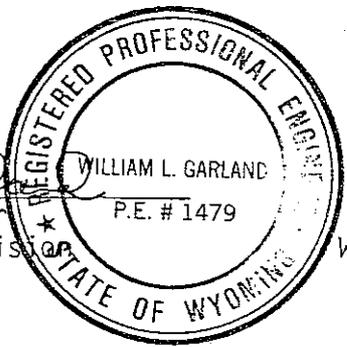
Cheyenne, WY 82001  
 (City) (County) (State)

to construct, install, or modify a commercial source development and distribution system  
 facility located in Sec. 5, T24N, R61W  
 (Legal Description)

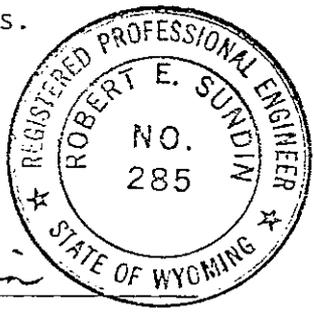
in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland  
 Administrator  
 Water Quality Division



Robert E. Sundin  
 Director  
 Wyoming Dept. of Environmental Quality



June 27, 1979  
 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."

JL  
5/20/79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Westwood #2 Well, Westwood Mobile Home Court, Goshen Co.

ARCHITECT OR ENGINEER: Dallas B. Saxton, 5604 Powderhouse Rd.  
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-198M

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

DATE OF REVIEW: May 18, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Show the location of the well and water lines in respect to all sources of contamination such as septic tanks, sewer lines, drain fields, streams or lakes, etc.
2. The well shall have a minimum of a four (4) inch concrete slab with a radius of two (2) feet around the casing. The top of the slab should be at least four (4) inches above normal ground level.
3. The ground surface around the well shall slope away from the well for a distance of at least 50 feet in all directions.
4. Prior to going into service, the well and piping system shall be flushed and disinfected by contact for at least 24 hours with a water solution containing a residual chlorine level of at least 50 parts per million available chlorine.

Book  
71  
3-17

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-199

Downing Reed Third Addition San. Sewer  
(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, Goshen, Wyoming 82240  
(City) (County) (State)

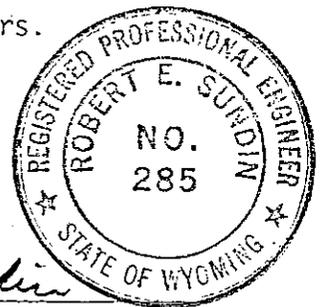
to construct, install, or modify a municipal collection system  
facility located in Sec. 10, T24N, R61W  
(Legal Description)

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

AUTHORIZED BY:

William L. Galas  
Administrator  
Water Quality Division

Robert E. Sordin  
Director  
Wyoming Dept. of Environmental Quality



May 2, 1979  
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: C.K. Wolz  
933 W. 14th St.  
Casper, WY 82601

7-27-79

PERMIT TO CONSTRUCT

New

Permit No. 79-200R

Renewal

Modified

Hughes Trailer Court

(Name of Facility)

This permit hereby authorizes the applicant:

Hughes,

Don

(Last)

(First)

(Middle)

218 S. 4th

(Street or P.O. Box)

Glenrock,

Converse,

WY 82637

(City)

(County)

(State)

to construct, install, or modify a wastewater disposal system

facility located in Sec. 33, T33N, R75W

(Legal Description)

in the County of Converse,

in the State of

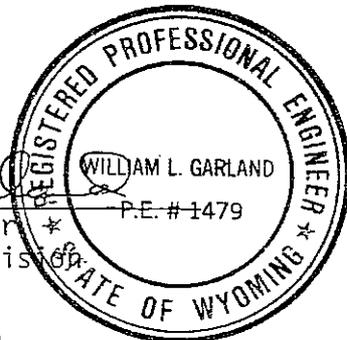
Wyoming. This permit shall be effective for a period of two (2) years

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

AUTHORIZED BY:

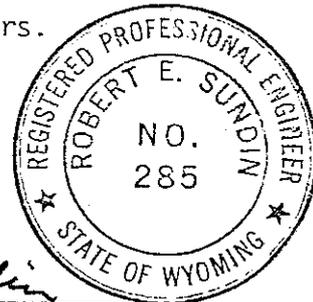
*William L. Garland*

Administrator  
Water Quality Division



*Robert E. Sundin*

Director  
Wyoming Dept. of Environmental Quality



July 24, 1979

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."

Back  
M 5-20-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Hughes Trailer Court Sewerage System, Arrowhead Park Subdivision,  
Converse Co.

ARCHITECT OR ENGINEER: Wolz & Associates, 933 W. 14th St., Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-200

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

DATE OF REVIEW: May 25, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION



COMMENTS:

1. Protect the sewer service risers with a concrete slab at the ground surface at least 4 inches thick and 12 inches in diameter.
2. Specify a minimum 5 foot horizontal separation between water and sewer service risers.
3. How many water services are connected to the water distribution system?
4. Submit details of sewer manhole.
5. Specify that all electrical materials and construction shall be in compliance with the National Electrical Code, latest edition.
6. What is the capacity of the sump pump when operating against the expected head?
7. Specify that the maximum infiltration or exfiltration of the sewer lines shall be 200 gallons per inch of pipe diameter per mile per day.
8. Specify that the vertical deflection of any sewer pipe due to ovalation shall not exceed 5% of the internal diameter of the pipe.
9. Show location of the well water distribution lines in respect to septic tank, sewers, the drainfield and other sources of contamination.
10. What are bedding requirements and slopes for sewer lines?